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## PRODUCT APPLICATION

### Automotive

Audio and Infotainment System  
Front Lighting  
Interior Lighting  
Navigation  
Rear Lighting

### Green

Small Type Wind Turbine Generator  
Smart Electric Meter  
Solar Panel Converter

### LED

Signage/LED Ballast  
LED Lighting  
LED Driver

### Lighting Ballast

Fluorescent Lighting Ballast  
Automotive HID lighting Ballast

### Consumer and Portable

Audio Amp Performance  
PDA  
Cell Phone Handset  
GPS  
Set-Top Box  
Microwave Oven  
Conference Speakerphone

### Industrial

Automated Test Equipment  
Bar Code Scanner  
Portable Data Logger  
Clothes Washer  
HVAC  
RFID Reader  
Slot Machine

### Computing and Peripherals

Disk Drive  
Inkjet Printer  
Desktop Computer / Server

### Power Supply

AC-DC Power Supply 20~75W  
DC-DC Power Supply 24-60W  
Li-Ion Battery Charger  
LCD TV Power Supply  
CRT TV Power Supply

## FAST RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu A$	A	V	ns	
1N4933	50	1.0	30	5	1.0	1.30	200	DO-41
1N4934	100	1.0	30	5	1.0	1.30	200	DO-41
1N4935	200	1.0	30	5	1.0	1.30	200	DO-41
1N4936	400	1.0	30	5	1.0	1.30	200	DO-41
1N4937	600	1.0	30	5	1.0	1.30	200	DO-41
1N4933GP	50	1.0	30	5	1.0	1.30	200	DO-41
1N4934GP	100	1.0	30	5	1.0	1.30	200	DO-41
1N4935GP	200	1.0	30	5	1.0	1.30	200	DO-41
1N4936GP	400	1.0	30	5	1.0	1.30	200	DO-41
1N4937GP	600	1.0	30	5	1.0	1.30	200	DO-41
1N4942	200	1.0	25	5	1.0	1.30	150	DO-41
1N4944	400	1.0	25	5	1.0	1.30	150	DO-41
1N4946	600	1.0	25	5	1.0	1.30	250	DO-41
1N4947	800	1.0	25	5	1.0	1.30	250	DO-41
1N4948	1000	1.0	25	5	1.0	1.30	500	DO-41
1N4942GP	200	1.0	25	5	1.0	1.30	150	DO-41
1N4944GP	400	1.0	25	5	1.0	1.30	150	DO-41
1N4946GP	600	1.0	25	5	1.0	1.30	250	DO-41
1N4947GP	800	1.0	25	5	1.0	1.30	250	DO-41
1N4948GP	1000	1.0	25	5	1.0	1.30	500	DO-41
BA157	400	1.0	35	5	1.0	1.30	150	DO-41
BA158	600	1.0	35	5	1.0	1.30	150	DO-41
BA159	1000	1.0	35	5	1.0	1.30	250	DO-41
BA157GP	400	1.0	30	5	1.0	1.30	150	DO-41
BA158GP	600	1.0	30	5	1.0	1.30	150	DO-41
BA159GP	1000	1.0	30	5	1.0	1.30	250	DO-41
FR101	50	1.0	30	5	1.0	1.30	150	DO-41
FR102	100	1.0	30	5	1.0	1.30	150	DO-41
FR103	200	1.0	30	5	1.0	1.30	150	DO-41
FR104	400	1.0	30	5	1.0	1.30	150	DO-41
FR105	600	1.0	30	5	1.0	1.30	250	DO-41
FR106	800	1.0	30	5	1.0	1.30	500	DO-41
FR107	1000	1.0	30	5	1.0	1.30	500	DO-41
FR101GP	50	1.0	30	5	1.0	1.30	150	DO-41
FR102GP	100	1.0	30	5	1.0	1.30	150	DO-41
FR103GP	200	1.0	30	5	1.0	1.30	150	DO-41
FR104GP	400	1.0	30	5	1.0	1.30	150	DO-41
FR105GP	600	1.0	30	5	1.0	1.30	250	DO-41
FR106GP	800	1.0	30	5	1.0	1.30	500	DO-41



DO-41

## FAST RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu A$	A	V	ns	
FR107GP	1000	1.0	30	5	1.0	1.30	500	DO-41
FR151S	50	1.5	50	5	1.5	1.30	150	DO-41
FR152S	100	1.5	50	5	1.5	1.30	150	DO-41
FR153S	200	1.5	50	5	1.5	1.30	150	DO-41
FR154S	400	1.5	50	5	1.5	1.30	150	DO-41
FR155S	600	1.5	50	5	1.5	1.30	250	DO-41
FR156S	800	1.5	50	5	1.5	1.30	500	DO-41
FR157S	1000	1.5	50	5	1.5	1.30	500	DO-41
1F1	50	1.0	30	5	1.0	1.30	150	R-1
1F2	100	1.0	30	5	1.0	1.30	150	R-1
1F3	200	1.0	30	5	1.0	1.30	150	R-1
1F4	400	1.0	30	5	1.0	1.30	150	R-1
1F5	600	1.0	30	5	1.0	1.30	250	R-1
1F6	800	1.0	30	5	1.0	1.30	500	R-1
1F7	1000	1.0	30	5	1.0	1.30	500	R-1
FR151	50	1.5	50	5	1.5	1.30	150	DO-15
FR152	100	1.5	50	5	1.5	1.30	150	DO-15
FR153	200	1.5	50	5	1.5	1.30	150	DO-15
FR154	400	1.5	50	5	1.5	1.30	150	DO-15
FR155	600	1.5	50	5	1.5	1.30	250	DO-15
FR156	800	1.5	50	5	1.5	1.30	500	DO-15
FR157	1000	1.5	50	5	1.5	1.30	500	DO-15
FR151GP	50	1.5	50	5	1.5	1.30	150	DO-15
FR152GP	100	1.5	50	5	1.5	1.30	150	DO-15
FR153GP	200	1.5	50	5	1.5	1.30	150	DO-15
FR154GP	400	1.5	50	5	1.5	1.30	150	DO-15
FR155GP	600	1.5	50	5	1.5	1.30	250	DO-15
FR156GP	800	1.5	50	5	1.5	1.30	500	DO-15
FR157GP	1000	1.5	50	5	1.5	1.30	500	DO-15
FR201	50	2.0	60	5	2.0	1.30	150	DO-15
FR202	100	2.0	60	5	2.0	1.30	150	DO-15
FR203	200	2.0	60	5	2.0	1.30	150	DO-15
FR204	400	2.0	60	5	2.0	1.30	150	DO-15
FR205	600	2.0	60	5	2.0	1.30	250	DO-15
FR206	800	2.0	60	5	2.0	1.30	500	DO-15
FR207	1000	2.0	60	5	2.0	1.30	500	DO-15
FR201GP	50	2.0	60	5	2.0	1.30	150	DO-15
FR202GP	100	2.0	60	5	2.0	1.30	150	DO-15
FR203GP	200	2.0	60	5	2.0	1.30	150	DO-15



DO-41



R-1



DO-15

## FAST RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu A$	A	V	ns	
FR204GP	400	2.0	60	5	2.0	1.30	150	DO-15
FR205GP	600	2.0	60	5	2.0	1.30	250	DO-15
FR206GP	800	2.0	60	5	2.0	1.30	500	DO-15
FR207GP	1000	2.0	60	5	2.0	1.30	500	DO-15
FR301	50	3.0	150	10	3.0	1.30	150	DO-201AD
FR302	100	3.0	150	10	3.0	1.30	150	DO-201AD
FR303	200	3.0	150	10	3.0	1.30	150	DO-201AD
FR304	400	3.0	150	10	3.0	1.30	150	DO-201AD
FR305	600	3.0	150	10	3.0	1.30	250	DO-201AD
FR306	800	3.0	150	10	3.0	1.30	500	DO-201AD
FR307	1000	3.0	150	10	3.0	1.30	500	DO-201AD
FR301GP	50	3.0	150	5	3.0	1.30	150	DO-201AD
FR302GP	100	3.0	150	5	3.0	1.30	150	DO-201AD
FR303GP	200	3.0	150	5	3.0	1.30	150	DO-201AD
FR304GP	400	3.0	150	5	3.0	1.30	150	DO-201AD
FR305GP	600	3.0	150	5	3.0	1.30	250	DO-201AD
FR306GP	800	3.0	150	5	3.0	1.30	500	DO-201AD
FR307GP	1000	3.0	150	5	3.0	1.30	500	DO-201AD
FR501	50	5.0	200	10	5.0	1.35	150	DO-201AD
FR502	100	5.0	200	10	5.0	1.35	150	DO-201AD
FR503	200	5.0	200	10	5.0	1.35	150	DO-201AD
FR504	400	5.0	200	10	5.0	1.35	150	DO-201AD
FR505	600	5.0	200	10	5.0	1.35	250	DO-201AD
FR506	800	5.0	200	10	5.0	1.35	500	DO-201AD
FR507	1000	5.0	200	10	5.0	1.35	500	DO-201AD
FR501GP	50	5.0	200	10	5.0	1.35	150	DO-201AD
FR502GP	100	5.0	200	10	5.0	1.35	150	DO-201AD
FR503GP	200	5.0	200	10	5.0	1.35	150	DO-201AD
FR504GP	400	5.0	200	10	5.0	1.35	150	DO-201AD
FR505GP	600	5.0	200	10	5.0	1.35	250	DO-201AD
FR506GP	800	5.0	200	10	5.0	1.35	500	DO-201AD
FR507GP	1000	5.0	200	10	5.0	1.35	500	DO-201AD
TFR602G	120	6.0	250	5	6.0	0.95	300	DO-201AD
FR601	50	6.0	300	10	6.0	1.30	150	R-6
FR602	100	6.0	300	10	6.0	1.30	150	R-6
FR603	200	6.0	300	10	6.0	1.30	150	R-6
FR604	400	6.0	300	10	6.0	1.30	150	R-6
FR605	600	6.0	300	10	6.0	1.30	250	R-6
FR606	800	6.0	300	10	6.0	1.30	500	R-6



DO-15



DO-201AD



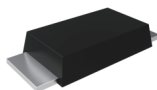
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## FAST RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_r$	
	V	A	A	$\mu A$	A	V	ns	
FR607	1000	6.0	300	10	6.0	1.30	500	R-6
FR601GP	50	6.0	300	10	6.0	1.30	150	R-6
FR602GP	100	6.0	300	10	6.0	1.30	150	R-6
FR603GP	200	6.0	300	10	6.0	1.30	150	R-6
FR604GP	400	6.0	300	10	6.0	1.30	150	R-6
FR605GP	600	6.0	300	10	6.0	1.30	250	R-6
FR606GP	800	6.0	300	10	6.0	1.30	500	R-6
FR607GP	1000	6.0	300	10	6.0	1.30	500	R-6
FR1001	50	10.0	300	10	10.0	1.30	150	R-6
FR1002	100	10.0	300	10	10.0	1.30	150	R-6
FR1003	200	10.0	300	10	10.0	1.30	150	R-6
FR1004	400	10.0	300	10	10.0	1.30	150	R-6
FR1005	600	10.0	300	10	10.0	1.30	250	R-6
FR1006	800	10.0	300	10	10.0	1.30	500	R-6
FR1007	1000	10.0	300	10	10.0	1.30	500	R-6
FSM11PL	50	1.0	30	5	1.0	1.30	150	SOD-123FL
FSM12PL	100	1.0	30	5	1.0	1.30	150	SOD-123FL
FSM13PL	200	1.0	30	5	1.0	1.30	150	SOD-123FL
FSM14PL	400	1.0	30	5	1.0	1.30	150	SOD-123FL
FSM15PL	600	1.0	30	5	1.0	1.30	250	SOD-123FL
FSM16PL	800	1.0	30	5	1.0	1.30	500	SOD-123FL
FSM17PL	1000	1.0	30	5	1.0	1.30	500	SOD-123FL
FS1AE	50	1.0	30	5	1.0	1.30	150	SMAE
FS1BE	100	1.0	30	5	1.0	1.30	150	SMAE
FS1DE	200	1.0	30	5	1.0	1.30	150	SMAE
FS1GE	400	1.0	30	5	1.0	1.30	150	SMAE
FS1JE	600	1.0	30	5	1.0	1.30	250	SMAE
FS1KE	800	1.0	30	5	1.0	1.30	500	SMAE
FS1ME	1000	1.0	30	5	1.0	1.30	500	SMAE
RA157E	400	1.0	35	5	1.0	1.30	150	SMAE
RA158E	600	1.0	35	5	1.0	1.30	150	SMAE
RA159E	1000	1.0	35	5	1.0	1.30	250	SMAE
FS1A-L	50	1.0	30	5	1.0	1.30	150	SMA
FS1B-L	100	1.0	30	5	1.0	1.30	150	SMA
FS1D-L	200	1.0	30	5	1.0	1.30	150	SMA
FS1G-L	400	1.0	30	5	1.0	1.30	150	SMA
FS1J-L	600	1.0	30	5	1.0	1.30	250	SMA
FS1K-L	800	1.0	30	5	1.0	1.30	500	SMA
FS1M-L	1000	1.0	30	5	1.0	1.30	500	SMA



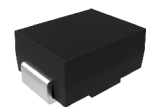
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SOD-123FL



SMAE



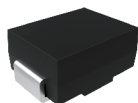
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## FAST RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu A$	A	V	ns	
FS2A-L	50	2.0	50	5	2.0	1.30	150	SMA
FS2B-L	100	2.0	50	5	2.0	1.30	150	SMA
FS2D-L	200	2.0	50	5	2.0	1.30	150	SMA
FS2G-L	400	2.0	50	5	2.0	1.30	150	SMA
FS2J-L	600	2.0	50	5	2.0	1.30	250	SMA
FS2K-L	800	2.0	50	5	2.0	1.30	500	SMA
FS2M-L	1000	2.0	50	5	2.0	1.30	500	SMA
FR1A-L	50	1.0	30	5	1.0	1.30	150	SMB
FR1B-L	100	1.0	30	5	1.0	1.30	150	SMB
FR1D-L	200	1.0	30	5	1.0	1.30	150	SMB
FR1G-L	400	1.0	30	5	1.0	1.30	150	SMB
FR1J-L	600	1.0	30	5	1.0	1.30	250	SMB
FR1K-L	800	1.0	30	5	1.0	1.30	500	SMB
FR1M-L	1000	1.0	30	5	1.0	1.30	500	SMB
FR2A-L	50	2.0	50	5	2.0	1.30	150	SMB
FR2B-L	100	2.0	50	5	2.0	1.30	150	SMB
FR2D-L	200	2.0	50	5	2.0	1.30	150	SMB
FR2G-L	400	2.0	50	5	2.0	1.30	150	SMB
FR2J-L	600	2.0	50	5	2.0	1.30	250	SMB
FR2K-L	800	2.0	50	5	2.0	1.30	500	SMB
FR2M-L	1000	2.0	50	5	2.0	1.30	500	SMB
FR3AB	50	3.0	100	10	3.0	1.30	150	SMB
FR3BB	100	3.0	100	10	3.0	1.30	150	SMB
FR3DB	200	3.0	100	10	3.0	1.30	150	SMB
FR3GB	400	3.0	100	10	3.0	1.30	150	SMB
FR3JB	600	3.0	100	10	3.0	1.30	250	SMB
FR3KB	800	3.0	100	10	3.0	1.30	500	SMB
FR3MB	1000	3.0	100	10	3.0	1.30	500	SMB
FR3A	50	3.0	100	10	3.0	1.30	150	SMC
FR3B	100	3.0	100	10	3.0	1.30	150	SMC
FR3D	200	3.0	100	10	3.0	1.30	150	SMC
FR3G	400	3.0	100	10	3.0	1.30	150	SMC
FR3J	600	3.0	100	10	3.0	1.30	250	SMC
FR3K	800	3.0	100	10	3.0	1.30	500	SMC
FR3M	1000	3.0	100	10	3.0	1.30	500	SMC
PB62F	200	6.0	150	10	3.0	1.30	200	PB-6
FRB2504	400	25.0	280	10	25.0	1.30	250	D <sup>2</sup> -PACK



SMA



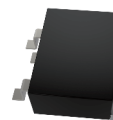
SMB



SMC



PB-6



D<sup>2</sup>-PACK

## HIGH VOLTAGE FAST RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_r$	
	V	A	A	$\mu A$	A	V	ns	
R2500F	2500	0.2	30	5	0.5	4.0	500	DO-15
R3000F	3000	0.2	30	5	0.5	5.0	500	DO-15
R1200F	1200	0.5	30	5	0.5	2.4	500	DO-41
R1500F	1500	0.5	30	5	0.5	2.4	500	DO-41
R1800F	1800	0.5	30	5	0.5	2.4	500	DO-41
R2000F	2000	0.5	30	5	0.5	4.0	500	DO-41



DO-15



DO-41

## SUPERFAST RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_{F(AV)}$ @ $T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu$ A	A	V	ns	
MUR105	50	1.0	35	5.0	1.0	0.975	45	DO-41
MUR110	100	1.0	35	5.0	1.0	0.975	45	DO-41
MUR115	150	1.0	35	5.0	1.0	0.975	45	DO-41
MUR120	200	1.0	35	5.0	1.0	1.350	45	DO-41
MUR140	400	1.0	35	5.0	1.0	1.350	60	DO-41
MUR160	600	1.0	35	5.0	1.0	1.350	60	DO-41
MUR180	800	1.0	35	5.0	1.0	1.750	75	DO-41
MUR1100	1000	1.0	35	5.0	1.0	1.750	75	DO-41
MUR105GP	50	1.0	25	5.0	1.0	0.970	45	DO-41
MUR110GP	100	1.0	25	5.0	1.0	0.970	45	DO-41
MUR115GP	150	1.0	25	5.0	1.0	0.970	45	DO-41
MUR120GP	200	1.0	25	5.0	1.0	1.350	45	DO-41
MUR140GP	400	1.0	25	5.0	1.0	1.350	45	DO-41
MUR160GP	600	1.0	25	5.0	1.0	1.350	60	DO-41
MUR260GP	600	2.0	50	5.0	2.0	1.350	50	DO-41
SF11	50	1.0	30	5.0	1.0	0.950	35	DO-41
SF12	100	1.0	30	5.0	1.0	0.950	35	DO-41
SF13	150	1.0	30	5.0	1.0	0.950	35	DO-41
SF14	200	1.0	30	5.0	1.0	0.950	35	DO-41
SF15	300	1.0	30	5.0	1.0	1.300	35	DO-41
SF16	400	1.0	30	5.0	1.0	1.300	35	DO-41
SF18	600	1.0	30	5.0	1.0	1.700	35	DO-41
SF11G	50	1.0	30	5.0	1.0	0.950	35	DO-41
SF12G	100	1.0	30	5.0	1.0	0.950	35	DO-41
SF13G	150	1.0	30	5.0	1.0	0.950	35	DO-41
SF14G	200	1.0	30	5.0	1.0	0.950	35	DO-41
SF15G	300	1.0	30	5.0	1.0	1.300	35	DO-41
SF16G	400	1.0	30	5.0	1.0	1.300	35	DO-41
SF18G	600	1.0	30	5.0	1.0	1.700	35	DO-41
SF21	50	2.0	50	5.0	2.0	0.950	35	DO-15
SF22	100	2.0	50	5.0	2.0	0.950	35	DO-15
SF23	150	2.0	50	5.0	2.0	0.950	35	DO-15
SF24	200	2.0	50	5.0	2.0	0.950	35	DO-15
SF25	300	2.0	50	5.0	2.0	1.300	35	DO-15
SF26	400	2.0	50	5.0	2.0	1.300	35	DO-15
SF28	600	2.0	50	5.0	2.0	1.700	35	DO-15
SF21G	50	2.0	50	5.0	2.0	0.950	35	DO-15
SF22G	100	2.0	50	5.0	2.0	0.950	35	DO-15
SF23G	150	2.0	50	5.0	2.0	0.950	35	DO-15



DO-41



DO-15

## SUPERFAST RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_{F(AV)}$ @ $T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu$ A	A	V	ns	
SF24G	200	2.0	50	5.0	2.0	0.950	35	DO-15
SF25G	300	2.0	50	5.0	2.0	1.300	35	DO-15
SF26G	400	2.0	50	5.0	2.0	1.300	35	DO-15
SF28G	600	2.0	50	5.0	2.0	1.700	35	DO-15
ER300	50	3.0	125	5.0	3.0	0.950	35	DO-201AD
ER301	100	3.0	125	5.0	3.0	0.950	35	DO-201AD
ER301A	150	3.0	125	5.0	3.0	0.950	35	DO-201AD
ER302	200	3.0	125	5.0	3.0	0.950	35	DO-201AD
ER303	300	3.0	125	5.0	3.0	1.250	35	DO-201AD
ER304	400	3.0	125	5.0	3.0	1.250	35	DO-201AD
ER306	600	3.0	125	5.0	3.0	1.700	35	DO-201AD
SF31	50	3.0	100	5.0	3.0	0.950	35	DO-201AD
SF32	100	3.0	100	5.0	3.0	0.950	35	DO-201AD
SF33	150	3.0	100	5.0	3.0	0.950	35	DO-201AD
SF34	200	3.0	100	5.0	3.0	0.950	35	DO-201AD
SF35	300	3.0	100	5.0	3.0	1.300	35	DO-201AD
SF36	400	3.0	100	5.0	3.0	1.300	35	DO-201AD
SF38	600	3.0	100	5.0	3.0	1.700	35	DO-201AD
SF31G	50	3.0	125	5.0	3.0	0.950	35	DO-201AD
SF32G	100	3.0	125	5.0	3.0	0.950	35	DO-201AD
SF34G	200	3.0	125	5.0	3.0	0.950	35	DO-201AD
SF35G	300	3.0	125	5.0	3.0	0.950	35	DO-201AD
SF36G	400	3.0	125	5.0	3.0	1.270	35	DO-201AD
SF38G	600	3.0	125	5.0	3.0	1.750	35	DO-201AD
MUR405GP	50	4.0	150	10.0	4.0	1.000	45	DO-201AD
MUR410GP	100	4.0	150	10.0	4.0	1.000	45	DO-201AD
MUR415GP	150	4.0	150	10.0	4.0	1.000	45	DO-201AD
MUR420GP	200	4.0	150	10.0	4.0	1.350	60	DO-201AD
MUR440GP	400	4.0	150	10.0	4.0	1.350	60	DO-201AD
MUR460GP	600	4.0	150	10.0	4.0	1.350	60	DO-201AD
MUR480GP	800	4.0	150	10.0	4.0	1.850	75	DO-201AD
MUR4100GP	1000	4.0	150	10.0	4.0	1.850	75	DO-201AD
SF41G	50	4.0	150	5.0	4.0	0.950	35	DO-201AD
SF42G	100	4.0	150	5.0	4.0	0.950	35	DO-201AD
SF44G	200	4.0	150	5.0	4.0	0.950	35	DO-201AD
SF45G	300	4.0	150	5.0	4.0	0.950	35	DO-201AD
SF46G	400	4.0	150	5.0	4.0	1.270	35	DO-201AD
SF48G	600	4.0	150	5.0	4.0	1.750	35	DO-201AD
SF51	50	5.0	150	5.0	5.0	0.950	35	DO-201AD



DO-15



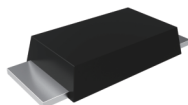
DO-201AD

## SUPERFAST RECOVERY RECTIFIERS

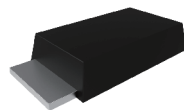
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_{F(AV)}$ @ $T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu$ A	A	V	ns	
SF52	100	5.0	150	5.0	5.0	0.950	35	DO-201AD
SF53	150	5.0	150	5.0	5.0	0.950	35	DO-201AD
SF54	200	5.0	150	5.0	5.0	0.950	35	DO-201AD
SF55	300	5.0	150	5.0	5.0	1.250	35	DO-201AD
SF56	400	5.0	150	5.0	5.0	1.250	35	DO-201AD
SF58	600	5.0	150	5.0	5.0	1.700	35	DO-201AD
SF51G	50	5.0	150	5.0	5.0	0.950	35	DO-201AD
SF52G	100	5.0	150	5.0	5.0	0.950	35	DO-201AD
SF54G	200	5.0	150	5.0	5.0	0.950	35	DO-201AD
SF55G	300	5.0	150	5.0	5.0	0.950	35	DO-201AD
SF56G	400	5.0	150	5.0	5.0	1.270	35	DO-201AD
SF58G	600	5.0	150	5.0	5.0	1.750	35	DO-201AD
SF61G	50	6.0	150	5.0	6.0	0.975	35	DO-201AD
SF62G	100	6.0	150	5.0	6.0	0.975	35	DO-201AD
SF63G	150	6.0	150	5.0	6.0	0.975	35	DO-201AD
SF64G	200	6.0	150	5.0	6.0	0.975	35	DO-201AD
SF65G	300	6.0	150	5.0	6.0	1.300	35	DO-201AD
SF66G	400	6.0	150	5.0	6.0	1.300	35	DO-201AD
SF67G	500	6.0	150	5.0	6.0	1.700	35	DO-201AD
SF68G	600	6.0	150	5.0	6.0	1.700	35	DO-201AD
SFM11PL	50	1.0	30	5.0	1.0	0.950	35	SOD-123FL
SFM12PL	100	1.0	30	5.0	1.0	0.950	35	SOD-123FL
SFM13PL	150	1.0	30	5.0	1.0	0.950	35	SOD-123FL
SFM14PL	200	1.0	30	5.0	1.0	0.950	35	SOD-123FL
SFM15PL	300	1.0	30	5.0	1.0	1.250	35	SOD-123FL
SFM16PL	400	1.0	30	5.0	1.0	1.250	35	SOD-123FL
SFM17PL	500	1.0	30	5.0	1.0	1.700	35	SOD-123FL
SFM18PL	600	1.0	30	5.0	1.0	1.700	35	SOD-123FL
MURS3JAFL	600	3.0	100	5.0	3.0	1.700	35	DO-221AC
ES1A-L	50	1.0	30	5.0	1.0	0.950	35	SMA
ES1B-L	100	1.0	30	5.0	1.0	0.950	35	SMA
ES1D-L	200	1.0	30	5.0	1.0	0.950	35	SMA
ES1G-L	400	1.0	30	5.0	1.0	1.250	35	SMA
ES1J-L	600	1.0	30	5.0	1.0	1.700	35	SMA
MURS1A	50	1.0	30	5.0	1.0	0.920	15	SMA
MURS1B	100	1.0	30	5.0	1.0	0.920	15	SMA
MURS1D	200	1.0	30	5.0	1.0	0.920	15	SMA
MURS1G	400	1.0	30	5.0	1.0	1.230	25	SMA
ES2A-L	50	2.0	50	5.0	2.0	0.95	35	SMA



DO-201AD



SOD-123FL



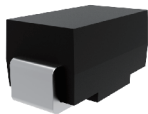
DO-221AC



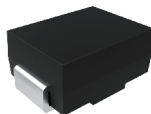
SMA

## SUPERFAST RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_{F(AV)}$ @ $T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu$ A	A	V	ns	
ES2B-L	100	2.0	50	5.0	2.0	0.95	35	SMA
ES2C-L	150	2.0	50	5.0	2.0	0.95	35	SMA
ES2D-L	200	2.0	50	5.0	2.0	0.95	35	SMA
ES2G-L	400	2.0	50	5.0	2.0	1.25	35	SMA
ES2J-L	600	2.0	50	5.0	2.0	1.7	35	SMA
ER1A-L	50	1.0	30	5.0	1.0	0.950	35	SMB
ER1B-L	100	1.0	30	5.0	1.0	0.950	35	SMB
ER1D-L	200	1.0	30	5.0	1.0	0.950	35	SMB
ER1G-L	400	1.0	30	5.0	1.0	1.250	35	SMB
ER1J-L	600	1.0	30	5.0	1.0	1.700	35	SMB
ER1Q-L	1200	1.0	30	5.0	1.0	1.850	150	SMB
ER2A-L	50	2.0	50	5.0	2.0	0.95	35	SMB
ER2B-L	100	2.0	50	5.0	2.0	0.95	35	SMB
ER2D-L	200	2.0	50	5.0	2.0	0.95	35	SMB
ER2G-L	400	2.0	50	5.0	2.0	1.25	35	SMB
ER2J-L	600	2.0	50	5.0	2.0	1.7	35	SMB
ER3AB	50	3.0	100	5.0	3.0	0.950	35	SMB
ER3BB	100	3.0	100	5.0	3.0	0.950	35	SMB
ER3CB	150	3.0	100	5.0	3.0	0.950	35	SMB
ER3DB	200	3.0	100	5.0	3.0	0.950	35	SMB
ER3GB	400	3.0	100	5.0	3.0	1.250	35	SMB
ER3JB	600	3.0	100	5.0	3.0	1.700	35	SMB
ER3KB	800	3.0	100	5.0	3.0	1.700	75	SMB
ER3MB	1000	3.0	100	5.0	3.0	1.700	75	SMB
ER3A	50	3.0	100	5.0	3.0	0.95	35	SMC
ER3B	100	3.0	100	5.0	3.0	0.95	35	SMC
ER3C	150	3.0	100	5.0	3.0	0.95	35	SMC
ER3D	200	3.0	100	5.0	3.0	0.95	35	SMC
ER3G	400	3.0	100	5.0	3.0	1.250	35	SMC
ER3J	600	3.0	100	5.0	3.0	1.700	35	SMC
ER3K	800	3.0	100	5.0	3.0	1.700	75	SMC
ER3M	1000	3.0	100	5.0	3.0	1.700	75	SMC
ER5A	50	5.0	175	10.0	5.0	1.000	35	SMC
ER5B	100	5.0	175	10.0	5.0	1.000	35	SMC
ER5C	150	5.0	175	10.0	5.0	1.000	35	SMC
ER5D	200	5.0	175	10.0	5.0	1.000	35	SMC
ER5G	400	5.0	175	10.0	5.0	1.300	35	SMC
ER5J	600	5.0	175	10.0	5.0	1.700	35	SMC



SMA



SMB



SMC

## SUPERFAST RECOVERY RECTIFIERS

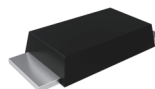
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu A$	A	V	ns	
UF4001	50	1.0	30	5.0	1.0	1.000	50	DO-41
UF4002	100	1.0	30	5.0	1.0	1.000	50	DO-41
UF4003	200	1.0	30	5.0	1.0	1.000	50	DO-41
UF4004	400	1.0	30	5.0	1.0	1.300	50	DO-41
UF4005	600	1.0	30	5.0	1.0	1.700	75	DO-41
UF4006	800	1.0	30	5.0	1.0	1.700	75	DO-41
UF4007	1000	1.0	30	5.0	1.0	1.700	75	DO-41
UF4001GP	50	1.0	30	5.0	1.0	1.000	50	DO-41
UF4002GP	100	1.0	30	5.0	1.0	1.000	50	DO-41
UF4003GP	200	1.0	30	5.0	1.0	1.000	50	DO-41
UF4004GP	400	1.0	30	5.0	1.0	1.300	50	DO-41
UF4005GP	600	1.0	30	5.0	1.0	1.700	75	DO-41
UF4006GP	800	1.0	30	5.0	1.0	1.700	75	DO-41
UF4007GP	1000	1.0	30	5.0	1.0	1.700	75	DO-41
UF5400	50	3.0	150	10.0	3.0	1.000	50	DO-201AD
UF5401	100	3.0	150	10.0	3.0	1.000	50	DO-201AD
UF5402	200	3.0	150	10.0	3.0	1.000	50	DO-201AD
UF5404	400	3.0	150	10.0	3.0	1.300	50	DO-201AD
UF5405	500	3.0	150	10.0	3.0	1.700	75	DO-201AD
UF5406	600	3.0	150	10.0	3.0	1.700	75	DO-201AD
UF5407	800	3.0	150	10.0	3.0	1.700	75	DO-201AD
UF5408	1000	3.0	150	10.0	3.0	1.700	75	DO-201AD
UF5400GP	50	3.0	100	10.0	3.0	1.000	50	DO-201AD
UF5401GP	100	3.0	100	10.0	3.0	1.000	50	DO-201AD
UF5402GP	200	3.0	100	10.0	3.0	1.000	50	DO-201AD
UF5404GP	400	3.0	100	10.0	3.0	1.300	50	DO-201AD
UF5406GP	600	3.0	100	10.0	3.0	1.700	75	DO-201AD
UF5407GP	800	3.0	100	10.0	3.0	1.700	75	DO-201AD
UF5408GP	1000	3.0	100	10.0	3.0	1.700	75	DO-201AD
UFM11PL	50	1.0	30	10.0	1.0	1.000	35	SOD-123FL
UFM12PL	100	1.0	30	10.0	1.0	1.000	35	SOD-123FL
UFM13PL	200	1.0	30	10.0	1.0	1.000	35	SOD-123FL
UFM14PL	400	1.0	30	10.0	1.0	1.400	50	SOD-123FL
UFM15PL	600	1.0	30	10.0	1.0	1.700	75	SOD-123FL
UFM16PL	800	1.0	30	10.0	1.0	1.700	75	SOD-123FL
UFM17PL	1000	1.0	30	10.0	1.0	1.700	100	SOD-123FL
US1AFL	50	1.0	30	10.0	1.0	1.000	50	DO-221AC
US1BFL	100	1.0	30	10.0	1.0	1.000	50	DO-221AC
US1CFL	150	1.0	30	10.0	1.0	1.000	50	DO-221AC



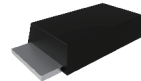
DO-41



DO-201AD



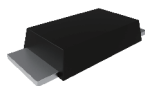
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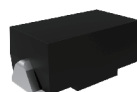
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## SUPERFAST RECOVERY RECTIFIERS

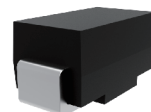
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu A$	A	V	ns	
US1DFL	200	1.0	30	10.0	1.0	1.000	50	DO-221AC
US1GFL	400	1.0	30	10.0	1.0	1.400	50	DO-221AC
US1JFL	600	1.0	30	10.0	1.0	1.700	75	DO-221AC
US1KFL	800	1.0	30	10.0	1.0	1.700	75	DO-221AC
US1MFL	1000	1.0	30	10.0	1.0	1.700	100	DO-221AC
US2AFL	50	2.0	50	5.0	2.0	1.000	50	DO-221AC
US2BFL	100	2.0	50	5.0	1.0	1.000	50	DO-221AC
US2CFL	150	2.0	50	5.0	2.0	1.000	50	DO-221AC
US2DFL	200	2.0	50	5.0	2.0	1.000	50	DO-221AC
US2GFL	400	2.0	50	5.0	2.0	1.400	50	DO-221AC
US2JFL	600	2.0	50	5.0	2.0	1.700	75	DO-221AC
US2KFL	800	2.0	50	5.0	2.0	1.700	75	DO-221AC
US2MFL	1000	2.0	50	5.0	2.0	1.700	75	DO-221AC
ES1AE	50	1.0	30	5.0	1.0	0.975	50	SMAE
ES1BE	100	1.0	30	5.0	1.0	0.975	50	SMAE
ES1CE	150	1.0	30	5.0	1.0	0.975	50	SMAE
ES1DE	200	1.0	30	5.0	1.0	0.975	50	SMAE
ES1GE	400	1.0	30	5.0	1.0	1.350	75	SMAE
ES1JE	600	1.0	30	5.0	1.0	1.350	75	SMAE
ES1KE	800	1.0	30	5.0	1.0	1.700	75	SMAE
ES1ME	1000	1.0	30	5.0	1.0	1.700	100	SMAE
US1AE	50	1.0	30	10.0	1.0	1.000	50	SMAE
US1BE	100	1.0	30	10.0	1.0	1.000	50	SMAE
US1CE	150	1.0	30	10.0	1.0	1.000	50	SMAE
US1DE	200	1.0	30	10.0	1.0	1.000	50	SMAE
US1GE	400	1.0	30	10.0	1.0	1.400	50	SMAE
US1JE	600	1.0	30	10.0	1.0	1.700	75	SMAE
US1KE	800	1.0	30	10.0	1.0	1.700	75	SMAE
US1ME	1000	1.0	30	10.0	1.0	1.700	75	SMAE
US1A	50	1.0	30	10.0	1.0	1.000	50	SMA
US1B	100	1.0	30	10.0	1.0	1.000	50	SMA
US1C	150	1.0	30	10.0	1.0	1.000	50	SMA
US1D	200	1.0	30	10.0	1.0	1.000	50	SMA
US1G	400	1.0	30	10.0	1.0	1.400	50	SMA
US1J	600	1.0	30	10.0	1.0	1.700	75	SMA
US1K	800	1.0	30	10.0	1.0	1.700	75	SMA
US1M	1000	1.0	30	10.0	1.0	1.700	75	SMA
US2AA	50	2.0	50	5.0	2.0	1.000	50	SMA
US2BA	100	2.0	50	5.0	2.0	1.000	50	SMA



DO-221AC



SMAE



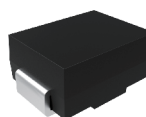
SMA

## SUPERFAST RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_r$	
	V	A	A	$\mu A$	A	V	ns	
US2CA	150	2.0	50	5.0	2.0	1.000	50	SMA
US2DA	200	2.0	50	5.0	2.0	1.000	50	SMA
US2GA	400	2.0	50	5.0	2.0	1.400	50	SMA
US2JA	600	2.0	50	5.0	2.0	1.700	75	SMA
US2KA	800	2.0	50	5.0	2.0	1.700	75	SMA
US2MA	1000	2.0	50	5.0	2.0	1.700	75	SMA
UF1A	50	1.0	30	10.0	1.0	1.000	50	SMB
UF1B	100	1.0	30	10.0	1.0	1.000	50	SMB
UF1D	200	1.0	30	10.0	1.0	1.000	50	SMB
UF1G	400	1.0	30	10.0	1.0	1.400	50	SMB
UF1J	600	1.0	30	10.0	1.0	1.700	100	SMB
UF1K	800	1.0	30	10.0	1.0	1.700	100	SMB
UF1M	1000	1.0	30	10.0	1.0	1.700	100	SMB
US2A	50	2.0	50	5.0	2.0	1.000	50	SMB
US2B	100	2.0	50	5.0	2.0	1.000	50	SMB
US2C	150	2.0	50	5.0	2.0	1.000	50	SMB
US2D	200	2.0	50	5.0	2.0	1.000	50	SMB
US2G	400	2.0	50	5.0	2.0	1.400	50	SMB
US2J	600	2.0	50	5.0	2.0	1.700	75	SMB
US2K	800	2.0	50	5.0	2.0	1.700	75	SMB
US2M	1000	2.0	50	5.0	2.0	1.700	75	SMB



SMA



SMB

## HIGH EFFICIENT RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu A$	A	V	ns	
HER101S	50	1.0	30	5	1.0	1.0	50	A-405
HER102S	100	1.0	30	5	1.0	1.0	50	A-405
HER103S	200	1.0	30	5	1.0	1.0	50	A-405
HER104S	300	1.0	30	5	1.0	1.0	50	A-405
HER105S	400	1.0	30	5	1.0	1.3	50	A-405
HER106S	600	1.0	30	5	1.0	1.7	75	A-405
HER107S	800	1.0	30	5	1.0	1.7	75	A-405
HER108S	1000	1.0	30	5	1.0	1.7	75	A-405
HER101	50	1.0	30	5	1.0	1.0	50	DO-41
HER102	100	1.0	30	5	1.0	1.0	50	DO-41
HER103	200	1.0	30	5	1.0	1.0	50	DO-41
HER104	300	1.0	30	5	1.0	1.0	50	DO-41
HER105	400	1.0	30	5	1.0	1.3	50	DO-41
HER106	600	1.0	30	5	1.0	1.7	75	DO-41
HER107	800	1.0	30	5	1.0	1.7	75	DO-41
HER108	1000	1.0	30	5	1.0	1.7	75	DO-41
HER101G	50	1.0	30	5	1.0	1.0	50	DO-41
HER102G	100	1.0	30	5	1.0	1.0	50	DO-41
HER103G	200	1.0	30	5	1.0	1.0	50	DO-41
HER104G	300	1.0	30	5	1.0	1.0	50	DO-41
HER105G	400	1.0	30	5	1.0	1.3	50	DO-41
HER106G	600	1.0	30	5	1.0	1.7	75	DO-41
HER107G	800	1.0	30	5	1.0	1.7	75	DO-41
HER108G	1000	1.0	30	5	1.0	1.7	75	DO-41
1H1	50	1.0	30	5	1.0	1.0	50	R-1
1H2	100	1.0	30	5	1.0	1.0	50	R-1
1H3	200	1.0	30	5	1.0	1.0	50	R-1
1H4	400	1.0	30	5	1.0	1.0	50	R-1
1H5	600	1.0	30	5	1.0	1.3	50	R-1
1H6	800	1.0	30	5	1.0	1.7	75	R-1
1H7	1000	1.0	30	5	1.0	1.7	75	R-1
HER151	50	1.5	50	5	1.5	1.0	50	DO-15
HER152	100	1.5	50	5	1.5	1.0	50	DO-15
HER153	200	1.5	50	5	1.5	1.0	50	DO-15
HER154	300	1.5	50	5	1.5	1.0	50	DO-15
HER155	400	1.5	50	5	1.5	1.3	50	DO-15
HER156	600	1.5	50	5	1.5	1.7	75	DO-15
HER157	800	1.5	50	5	1.5	1.7	75	DO-15
HER158	1000	1.5	50	5	1.5	1.7	75	DO-15



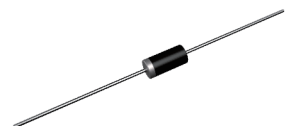
A-405



DO-41



R-1



DO-15

## HIGH EFFICIENT RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu A$	A	V	ns	
HER201	50	2.0	60	5	2.0	1.0	50	DO-15
HER202	100	2.0	60	5	2.0	1.0	50	DO-15
HER203	200	2.0	60	5	2.0	1.0	50	DO-15
HER204	300	2.0	60	5	2.0	1.0	50	DO-15
HER205	400	2.0	60	5	2.0	1.3	50	DO-15
HER206	600	2.0	60	5	2.0	1.7	75	DO-15
HER207	800	2.0	60	5	2.0	1.7	75	DO-15
HER208	1000	2.0	60	5	2.0	1.7	75	DO-15
HER201G	50	2.0	60	5	2.0	1.0	50	DO-15
HER202G	100	2.0	60	5	2.0	1.0	50	DO-15
HER203G	200	2.0	60	5	2.0	1.0	50	DO-15
HER204G	300	2.0	60	5	2.0	1.0	50	DO-15
HER205G	400	2.0	60	5	2.0	1.3	50	DO-15
HER206G	600	2.0	60	5	2.0	1.7	75	DO-15
HER207G	800	2.0	60	5	2.0	1.7	75	DO-15
HER208G	1000	2.0	60	5	2.0	1.7	75	DO-15
HER301	50	3.0	150	10	3.0	1.0	50	DO-201AD
HER302	100	3.0	150	10	3.0	1.0	50	DO-201AD
HER303	200	3.0	150	10	3.0	1.0	50	DO-201AD
HER304	300	3.0	150	10	3.0	1.0	50	DO-201AD
HER305	400	3.0	150	10	3.0	1.3	50	DO-201AD
HER306	600	3.0	150	10	3.0	1.7	75	DO-201AD
HER307	800	3.0	150	10	3.0	1.7	75	DO-201AD
HER308	1000	3.0	150	10	3.0	1.7	75	DO-201AD
HER301G	50	3.0	125	10	3.0	1.0	50	DO-201AD
HER302G	100	3.0	125	10	3.0	1.0	50	DO-201AD
HER303G	200	3.0	125	10	3.0	1.0	50	DO-201AD
HER304G	300	3.0	125	10	3.0	1.0	50	DO-201AD
HER305G	400	3.0	125	10	3.0	1.3	50	DO-201AD
HER306G	600	3.0	125	10	3.0	1.7	75	DO-201AD
HER307G	800	3.0	125	10	3.0	1.7	75	DO-201AD
HER308G	1000	3.0	125	10	3.0	1.7	75	DO-201AD
HER501	50	5.0	200	10	5.0	1.0	50	DO-201AD
HER502	100	5.0	200	10	5.0	1.0	50	DO-201AD
HER503	200	5.0	200	10	5.0	1.0	50	DO-201AD
HER504	300	5.0	200	10	5.0	1.0	50	DO-201AD
HER505	400	5.0	200	10	5.0	1.3	50	DO-201AD
HER506	600	5.0	200	10	5.0	1.7	75	DO-201AD
HER507	800	5.0	200	10	5.0	1.7	75	DO-201AD



DO-15



DO-201AD

## HIGH EFFICIENT RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_{rr}$	
	V	A	A	$\mu A$	A	V	ns	
HER508	1000	5.0	200	10	5.0	1.7	75	DO-201AD
HER501GP	50	5.0	160	10	5.0	1.0	50	DO-201AD
HER502GP	100	5.0	160	5	5.0	1.0	50	DO-201AD
HER503GP	200	5.0	160	5	5.0	1.0	50	DO-201AD
HER504GP	300	5.0	160	5	5.0	1.0	50	DO-201AD
HER505GP	400	5.0	160	5	5.0	1.3	50	DO-201AD
HER506GP	600	5.0	160	5	5.0	1.7	75	DO-201AD
HER507GP	800	5.0	160	5	5.0	1.7	75	DO-201AD
HER508GP	1000	5.0	160	5	5.0	1.7	75	DO-201AD
HER601	50	6.0	200	10	6.0	1.1	50	R-6
HER602	100	6.0	200	10	6.0	1.1	50	R-6
HER603	200	6.0	200	10	6.0	1.1	50	R-6
HER604	300	6.0	200	10	6.0	1.1	50	R-6
HER605	400	6.0	200	10	6.0	1.3	50	R-6
HER606	600	6.0	200	10	6.0	1.7	75	R-6
HER607	800	6.0	200	10	6.0	1.7	75	R-6
HER608	1000	6.0	200	10	6.0	1.7	75	R-6
HER601GP	50	6.0	200	10	6.0	1.1	50	R-6
HER602GP	100	6.0	200	10	6.0	1.1	50	R-6
HER603GP	200	6.0	200	10	6.0	1.1	50	R-6
HER604GP	300	6.0	200	10	6.0	1.1	50	R-6
HER605GP	400	6.0	200	10	6.0	1.3	50	R-6
HER606GP	600	6.0	200	10	6.0	1.7	75	R-6
HER607GP	800	6.0	200	10	6.0	1.7	75	R-6
HER608GP	1000	6.0	200	10	6.0	1.7	75	R-6



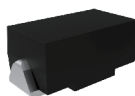
DO-201AD



R-6

## HIGH VOLTAGE RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	$t_r$	
	V	A	A	$\mu A$	A	V	ns	
RM1200E	1200	0.5	30	5	0.5	2.0	—	SMAE
RM1500E	1500	0.5	30	5	0.5	2.0	—	SMAE
RM1800E	1800	0.5	30	5	0.5	2.0	—	SMAE
RM2000E	2000	0.5	30	5	0.5	2.0	—	SMAE



SMAE

## STANDARD RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
RL101GP	50	1.0	30	5	1.0	1.1	A-405
RL102GP	100	1.0	30	5	1.0	1.1	A-405
RL103GP	200	1.0	30	5	1.0	1.1	A-405
RL104GP	400	1.0	30	5	1.0	1.1	A-405
RL105GP	600	1.0	30	5	1.0	1.1	A-405
RL106GP	800	1.0	30	5	1.0	1.1	A-405
RL107GP	1000	1.0	30	5	1.0	1.1	A-405
RL101	50	1.0	30	5	1.0	1.1	A-405
RL102	100	1.0	30	5	1.0	1.1	A-405
RL103	200	1.0	30	5	1.0	1.1	A-405
RL104	400	1.0	30	5	1.0	1.1	A-405
RL105	600	1.0	30	5	1.0	1.1	A-405
RL106	800	1.0	30	5	1.0	1.1	A-405
RL107	1000	1.0	30	5	1.0	1.1	A-405
R2500	2500	0.2	30	5	0.5	3.0	DO-15
R3000	3000	0.2	30	5	0.5	4.0	DO-15
1N5391	50	1.5	50	5	1.5	1.1	DO-15
1N5392	100	1.5	50	5	1.5	1.1	DO-15
1N5393	200	1.5	50	5	1.5	1.1	DO-15
1N5394	300	1.5	50	5	1.5	1.1	DO-15
1N5395	400	1.5	50	5	1.5	1.1	DO-15
1N5396	500	1.5	50	5	1.5	1.1	DO-15
1N5397	600	1.5	50	5	1.5	1.1	DO-15
1N5398	800	1.5	50	5	1.5	1.1	DO-15
1N5399	1000	1.5	50	5	1.5	1.1	DO-15
1N5391GP	50	1.5	50	5	1.5	1.4	DO-15
1N5392GP	100	1.5	50	5	1.5	1.4	DO-15
1N5393GP	200	1.5	50	5	1.5	1.4	DO-15
1N5394GP	300	1.5	50	5	1.5	1.4	DO-15
1N5395GP	400	1.5	50	5	1.5	1.4	DO-15
1N5396GP	500	1.5	50	5	1.5	1.4	DO-15
1N5397GP	600	1.5	50	5	1.5	1.4	DO-15
1N5398GP	800	1.5	50	5	1.5	1.4	DO-15
1N5399GP	1000	1.5	50	5	1.5	1.4	DO-15
2A01	50	2.0	60	5	2.0	1.0	DO-15
2A02	100	2.0	60	5	2.0	1.0	DO-15
2A03	200	2.0	60	5	2.0	1.0	DO-15
2A04	400	2.0	60	5	2.0	1.0	DO-15
2A05	600	2.0	60	5	2.0	1.0	DO-15



A-405



DO-15

## STANDARD RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
2A06	800	2.0	60	5	2.0	1.0	DO-15
2A07	1000	2.0	60	5	2.0	1.0	DO-15
RL201GP	50	2.0	60	5	2.0	1.0	DO-15
RL202GP	100	2.0	60	5	2.0	1.0	DO-15
RL203GP	200	2.0	60	5	2.0	1.0	DO-15
RL204GP	400	2.0	60	5	2.0	1.0	DO-15
RL205GP	600	2.0	60	5	2.0	1.0	DO-15
RL206GP	800	2.0	60	5	2.0	1.0	DO-15
RL207GP	1000	2.0	60	5	2.0	1.0	DO-15
RL201	50	2.0	60	5	2.0	1.0	DO-15
RL202	100	2.0	60	5	2.0	1.0	DO-15
RL203	200	2.0	60	5	2.0	1.0	DO-15
RL204	400	2.0	60	5	2.0	1.0	DO-15
RL205	600	2.0	60	5	2.0	1.0	DO-15
RL206	800	2.0	60	5	2.0	1.0	DO-15
RL207	1000	2.0	60	5	2.0	1.0	DO-15
RL251M	50	2.5	100	5	2.5	1.0	DO-15
RL252M	100	2.5	100	5	2.5	1.0	DO-15
RL253M	200	2.5	100	5	2.5	1.0	DO-15
RL254M	400	2.5	100	5	2.5	1.0	DO-15
RL255M	600	2.5	100	5	2.5	1.0	DO-15
RL256M	800	2.5	100	5	2.5	1.0	DO-15
RL257M	1000	2.5	100	5	2.5	1.0	DO-15
R4000	4000	0.2	30	5	0.2	5.0	DO-15
R5000	5000	0.2	30	5	0.2	5.0	DO-15
R1200	1200	0.5	30	5	0.5	2.0	DO-41
R1500	1500	0.5	30	5	0.5	2.0	DO-41
R1800	1800	0.5	30	5	0.5	2.0	DO-41
R2000	2000	0.5	30	5	0.5	3.0	DO-41
1N4001	50	1.0	30	5	1.0	1.0	DO-41
1N4002	100	1.0	30	5	1.0	1.0	DO-41
1N4003	200	1.0	30	5	1.0	1.0	DO-41
1N4004	400	1.0	30	5	1.0	1.0	DO-41
1N4005	600	1.0	30	5	1.0	1.0	DO-41
1N4006	800	1.0	30	5	1.0	1.0	DO-41
1N4007	1000	1.0	30	5	1.0	1.0	DO-41
1N4001GP	50	1.0	30	5	1.0	1.1	DO-41
1N4002GP	100	1.0	30	5	1.0	1.1	DO-41
1N4003GP	200	1.0	30	5	1.0	1.1	DO-41



DO-15



DO-41

## STANDARD RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
1N4004GP	400	1.0	30	5	1.0	1.1	DO-41
1N4005GP	600	1.0	30	5	1.0	1.1	DO-41
1N4006GP	800	1.0	30	5	1.0	1.1	DO-41
1N4007GP	1000	1.0	30	5	1.0	1.1	DO-41
BY133	1300	1.0	30	5	1.0	1.1	DO-41
BY133GP	1300	1.0	30	5	1.0	1.1	DO-41
EM513	1600	1.0	30	5	1.0	1.1	DO-41
EM516	1800	1.0	30	5	1.0	1.1	DO-41
EM518	2000	1.0	30	5	1.0	1.2	DO-41
1N5400	50	3.0	200	5	3.0	1.0	DO-201AD
1N5401	100	3.0	200	5	3.0	1.0	DO-201AD
1N5402	200	3.0	200	5	3.0	1.0	DO-201AD
1N5404	400	3.0	200	5	3.0	1.0	DO-201AD
1N5406	600	3.0	200	5	3.0	1.0	DO-201AD
1N5407	800	3.0	200	5	3.0	1.0	DO-201AD
1N5408	1000	3.0	200	5	3.0	1.0	DO-201AD
1N5400GP	50	3.0	200	5	3.0	1.1	DO-201AD
1N5401GP	100	3.0	200	5	3.0	1.1	DO-201AD
1N5402GP	200	3.0	200	5	3.0	1.1	DO-201AD
1N5404GP	400	3.0	200	5	3.0	1.1	DO-201AD
1N5406GP	600	3.0	200	5	3.0	1.1	DO-201AD
1N5407GP	800	3.0	200	5	3.0	1.1	DO-201AD
1N5408GP	1000	3.0	200	5	3.0	1.1	DO-201AD
1N5400L	50	3.0	120	5	3.0	1.1	DO-201AD
1N5401L	100	3.0	120	5	3.0	1.1	DO-201AD
1N5402L	200	3.0	120	5	3.0	1.1	DO-201AD
1N5404L	400	3.0	120	5	3.0	1.1	DO-201AD
1N5406L	600	3.0	120	5	3.0	1.1	DO-201AD
1N5407L	800	3.0	120	5	3.0	1.1	DO-201AD
1N5408L	1000	3.0	120	5	3.0	1.1	DO-201AD
60S05	50	6.0	200	5	6.0	1.0	DO-201AD
60S1	100	6.0	200	5	6.0	1.0	DO-201AD
60S2	200	6.0	200	5	6.0	1.0	DO-201AD
60S4	400	6.0	200	5	6.0	1.0	DO-201AD
60S6	600	6.0	200	5	6.0	1.0	DO-201AD
60S8	800	6.0	200	5	6.0	1.0	DO-201AD
60S10	1000	6.0	200	5	6.0	1.0	DO-201AD
1A1	50	1.0	30	5	1.0	1.1	R-1
1A2	100	1.0	30	5	1.0	1.1	R-1



DO-41



DO-201AD



R-1

## STANDARD RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
1A3	200	1.0	30	5	1.0	1.1	R-1
1A4	400	1.0	30	5	1.0	1.1	R-1
1A5	600	1.0	30	5	1.0	1.1	R-1
1A6	800	1.0	30	5	1.0	1.1	R-1
1A7	1000	1.0	30	5	1.0	1.1	R-1
RL251GP	50	2.5	70	5	2.5	1.1	R-3
RL252GP	100	2.5	70	5	2.5	1.1	R-3
RL253GP	200	2.5	70	5	2.5	1.1	R-3
RL254GP	400	2.5	70	5	2.5	1.1	R-3
RL255GP	600	2.5	70	5	2.5	1.1	R-3
RL256GP	800	2.5	70	5	2.5	1.1	R-3
RL257GP	1000	2.5	70	5	2.5	1.1	R-3
RL251	50	2.5	150	5	2.5	1.0	R-3
RL252	100	2.5	150	5	2.5	1.0	R-3
RL253	200	2.5	150	5	2.5	1.0	R-3
RL254	400	2.5	150	5	2.5	1.0	R-3
RL255	600	2.5	150	5	2.5	1.0	R-3
RL256	800	2.5	150	5	2.5	1.0	R-3
RL257	1000	2.5	150	5	2.5	1.0	R-3
6A05	50	6.0	400	10	6.0	0.95	R-6
6A1	100	6.0	400	10	6.0	0.95	R-6
6A2	200	6.0	400	10	6.0	0.95	R-6
6A4	400	6.0	400	10	6.0	0.95	R-6
6A6	600	6.0	400	10	6.0	0.95	R-6
6A8	800	6.0	400	10	6.0	0.95	R-6
6A10	1000	6.0	400	10	6.0	0.95	R-6
6A05G	50	6.0	400	10	6.0	1.0	R-6
6A1G	100	6.0	400	10	6.0	1.0	R-6
6A2G	200	6.0	400	10	6.0	1.0	R-6
6A4G	400	6.0	400	10	6.0	1.0	R-6
6A6G	600	6.0	400	10	6.0	1.0	R-6
6A8G	800	6.0	400	10	6.0	1.0	R-6
6A10G	1000	6.0	400	10	6.0	1.0	R-6
DR750	50	6.0	200	10	6.0	1.1	R-6
DR751	100	6.0	200	10	6.0	1.1	R-6
DR752	200	6.0	200	10	6.0	1.1	R-6
DR754	400	6.0	200	10	6.0	1.1	R-6
DR756	600	6.0	200	10	6.0	1.1	R-6
DR758	800	6.0	200	10	6.0	1.1	R-6



R-1



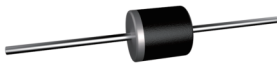
R-3



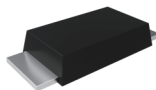
R-6

## STANDARD RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
Dr7510	1000	6.0	200	10	6.0	1.1	R-6
10A01	50	10.0	400	10	10.0	1.0	R-6
10A02	100	10.0	400	10	10.0	1.0	R-6
10A03	200	10.0	400	10	10.0	1.0	R-6
10A04	400	10.0	400	10	10.0	1.0	R-6
10A05	600	10.0	400	10	10.0	1.0	R-6
10A06	800	10.0	400	10	10.0	1.0	R-6
10A07	1000	10.0	400	10	10.0	1.0	R-6
10A01GP	50	10.0	200	10	10.0	1.2	R-6
10A02GP	100	10.0	200	10	10.0	1.2	R-6
10A03GP	200	10.0	200	10	10.0	1.2	R-6
10A04GP	400	10.0	200	10	10.0	1.2	R-6
10A05GP	600	10.0	200	10	10.0	1.2	R-6
10A06GP	800	10.0	200	10	10.0	1.2	R-6
10A07GP	1000	10.0	200	10	10.0	1.2	R-6
SM4001PL	50	1.0	25	5	1.0	1.1	SOD-123FL
SM4002PL	100	1.0	25	5	1.0	1.1	SOD-123FL
SM4003PL	200	1.0	25	5	1.0	1.1	SOD-123FL
SM4004PL	400	1.0	25	5	1.0	1.1	SOD-123FL
SM4005PL	600	1.0	25	5	1.0	1.1	SOD-123FL
SM4006PL	800	1.0	25	5	1.0	1.1	SOD-123FL
SM4007PL	1000	1.0	25	5	1.0	1.1	SOD-123FL
GS1AE	50	1.0	30	5	1.0	1.1	SMAE
GS1BE	100	1.0	30	5	1.0	1.1	SMAE
GS1DE	200	1.0	30	5	1.0	1.1	SMAE
GS1GE	400	1.0	30	5	1.0	1.1	SMAE
GS1JE	600	1.0	30	5	1.0	1.1	SMAE
GS1KE	800	1.0	30	5	1.0	1.1	SMAE
GS1ME	1000	1.0	30	5	1.0	1.1	SMAE
GS1AE-TPS05	50	1.0	30	10	1.0	1.1	SMA
GS1BE-TPS05	100	1.0	30	10	1.0	1.1	SMA
GS1DE-TPS05	200	1.0	30	10	1.0	1.1	SMA
GS1GE-TPS05	400	1.0	30	10	1.0	1.1	SMA
GS1JE-TPS05	600	1.0	30	10	1.0	1.1	SMA
GS1KE-TPS05	800	1.0	30	10	1.0	1.1	SMA
GS1ME-TPS05	1000	1.0	30	10	1.0	1.1	SMA
GS1A-L	50	1.0	30	10	1.0	1.0	SMA
GS1B-L	100	1.0	30	10	1.0	1.0	SMA
GS1D-L	200	1.0	30	10	1.0	1.0	SMA



R-6



SOD-123FL



SMAE



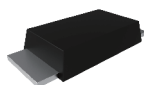
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## STANDARD RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
GS1G-L	400	1.0	30	10	1.0	1.0	SMA
GS1J-L	600	1.0	30	10	1.0	1.0	SMA
GS1K-L	800	1.0	30	10	1.0	1.0	SMA
GS1M-L	1000	1.0	30	10	1.0	1.0	SMA
GS1Y-L	1600	1.0	30	5	1.0	1.25	SMA
GS1Z-L	2000	1.5	30	1	1.5	1.15	SMA
GS2A-L	50	2.0	50	5	2.0	1.1	SMA
GS2B-L	100	2.0	50	5	2.0	1.1	SMA
GS2D-L	200	2.0	50	5	2.0	1.1	SMA
GS2G-L	400	2.0	50	5	2.0	1.1	SMA
GS2J-L	600	2.0	50	5	2.0	1.1	SMA
GS2K-L	800	2.0	50	5	2.0	1.1	SMA
GS2M-L	1000	2.0	50	5	2.0	1.1	SMA
GS1AFL	50	1.0	30	10	1.0	1.0	DO-221AC
GS1BFL	100	1.0	30	10	1.0	1.0	DO-221AC
GS1DFL	200	1.0	30	10	1.0	1.0	DO-221AC
GS1GFL	400	1.0	30	10	1.0	1.0	DO-221AC
GS1JFL	600	1.0	30	10	1.0	1.0	DO-221AC
GS1KFL	800	1.0	30	10	1.0	1.0	DO-221AC
GS1MFL	1000	1.0	30	10	1.0	1.0	DO-221AC
GS2AFL	50	2.0	50	5	2.0	1.1	DO-221AC
GS2BFL	100	2.0	50	5	2.0	1.1	DO-221AC
GS2DFL	200	2.0	50	5	2.0	1.1	DO-221AC
GS2GFL	400	2.0	50	5	2.0	1.1	DO-221AC
GS2JFL	600	2.0	50	5	2.0	1.1	DO-221AC
GS2KFL	800	2.0	50	5	2.0	1.1	DO-221AC
GS2MFL	1000	2.0	50	5	2.0	1.1	DO-221AC
S1A-L	50	1.0	30	5	1.0	1.1	SMB
S1B-L	100	1.0	30	5	1.0	1.1	SMB
S1D-L	200	1.0	30	5	1.0	1.1	SMB
S1G-L	400	1.0	30	5	1.0	1.1	SMB
S1J-L	600	1.0	30	5	1.0	1.1	SMB
S1K-L	800	1.0	30	5	1.0	1.1	SMB
S1M-L	1000	1.0	30	5	1.0	1.1	SMB
S1Q	1200	1.0	30	10	1.0	1.1	SMB
S1V	1400	1.0	30	10	1.0	1.1	SMB
S1Z-L	2000	1.0	30	5	1.0	1.2	SMB
S2A-L	50	2.0	50	5	2.0	1.15	SMB
S2B-L	100	2.0	50	5	2.0	1.15	SMB



SMA



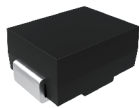
DO-221AC



SMB

## STANDARD RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
S2D-L	200	2.0	50	5	2.0	1.15	SMB
S2G-L	400	2.0	50	5	2.0	1.15	SMB
S2J-L	600	2.0	50	5	2.0	1.15	SMB
S2K-L	800	2.0	50	5	2.0	1.15	SMB
S2M-L	1000	2.0	50	5	2.0	1.15	SMB
S3AB	50	3.0	100	10	3.0	1.15	SMB
S3BB	100	3.0	100	10	3.0	1.15	SMB
S3DB	200	3.0	100	10	3.0	1.15	SMB
S3GB	400	3.0	100	10	3.0	1.15	SMB
S3JB	600	3.0	100	10	3.0	1.15	SMB
S3KB	800	3.0	100	10	3.0	1.15	SMB
S3MB	1000	3.0	100	10	3.0	1.15	SMB
S3A	50	3.0	100	10	3.0	1.2	SMC
S3B	100	3.0	100	10	3.0	1.2	SMC
S3D	200	3.0	100	10	3.0	1.2	SMC
S3G	400	3.0	100	10	3.0	1.2	SMC
S3J	600	3.0	100	10	3.0	1.2	SMC
S3K	800	3.0	100	10	3.0	1.2	SMC
S3M	1000	3.0	100	10	3.0	1.2	SMC
S5AL	50	5.0	100	10	5.0	1.2	SMC
S5BL	100	5.0	100	10	5.0	1.2	SMC
S5DL	200	5.0	100	10	5.0	1.2	SMC
S5GL	400	5.0	100	10	5.0	1.2	SMC
S5JL	600	5.0	100	10	5.0	1.2	SMC
S5KL	800	5.0	100	10	5.0	1.2	SMC
S5ML	1000	5.0	100	10	5.0	1.2	SMC
SMLJ60S05	50	6.0	200	5	6.0	1.0	SMC
SMLJ60S1	100	6.0	200	5	6.0	1.0	SMC
SMLJ60S2	200	6.0	200	5	6.0	1.0	SMC
SMLJ60S4	400	6.0	200	5	6.0	1.0	SMC
SMLJ60S6	600	6.0	200	5	6.0	1.0	SMC
SMLJ60S8	800	6.0	200	5	6.0	1.0	SMC
SMLJ60S10	1000	6.0	200	5	6.0	1.0	SMC
S8AL	50	8.0	200	5	8.0	1.1	SMC
S8BL	100	8.0	200	5	8.0	1.1	SMC
S8DL	200	8.0	200	5	8.0	1.1	SMC
S8GL	400	8.0	200	5	8.0	1.1	SMC
S8JL	600	8.0	200	5	8.0	1.1	SMC
S8KL	800	8.0	200	5	8.0	1.1	SMC



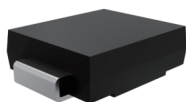
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SMC

## STANDARD RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
S8ML	1000	8.0	200	5	8.0	1.1	SMC
S10AL	50	10.0	200	10	10.0	1.2	SMC
S10BL	100	10.0	200	10	10.0	1.2	SMC
S10DL	200	10.0	200	10	10.0	1.2	SMC
S10GL	400	10.0	200	10	10.0	1.2	SMC
S10JL	600	10.0	200	10	10.0	1.2	SMC
S10KL	800	10.0	200	10	10.0	1.2	SMC
S10ML	1000	10.0	200	10	10.0	1.2	SMC
GPA801DT	50	8.0	150	5	8.0	1.1	D <sup>2</sup> -PACK
GPA802DT	100	8.0	150	5	8.0	1.1	D <sup>2</sup> -PACK
GPA803DT	200	8.0	150	5	8.0	1.1	D <sup>2</sup> -PACK
GPA804DT	400	8.0	150	5	8.0	1.1	D <sup>2</sup> -PACK
GPA805DT	600	8.0	150	5	8.0	1.1	D <sup>2</sup> -PACK
GPA806DT	800	8.0	150	5	8.0	1.1	D <sup>2</sup> -PACK
GPA807DT	1000	8.0	150	5	8.0	1.1	D <sup>2</sup> -PACK
RA251GP	50	25.0	400	5	25.0	1.1	RA
RA252GP	100	25.0	400	5	25.0	1.1	RA
RA253GP	200	25.0	400	5	25.0	1.1	RA
RA254GP	400	25.0	400	5	25.0	1.1	RA
RA255GP	600	25.0	400	5	25.0	1.1	RA
RA256GP	800	25.0	400	5	25.0	1.1	RA
RA257GP	1000	25.0	400	5	25.0	1.1	RA
RA251	50	25.0	400	5	25.0	1.1	RA
RA252	100	25.0	400	5	25.0	1.1	RA
RA253	200	25.0	400	5	25.0	1.1	RA
RA254	400	25.0	400	5	25.0	1.1	RA
RA255	600	25.0	400	5	25.0	1.1	RA
RA351GP	50	35.0	500	5	35.0	1.0	RA
RA352GP	100	35.0	500	5	35.0	1.0	RA
RA353GP	200	35.0	500	5	35.0	1.0	RA
RA354GP	400	35.0	500	5	35.0	1.0	RA
RA355GP	600	35.0	500	5	35.0	1.0	RA
RA356GP	800	35.0	500	5	35.0	1.0	RA
RA357GP	1000	35.0	500	5	35.0	1.0	RA
RA351	50	35.0	500	5	35.0	1.0	RA
RA352	100	35.0	500	5	35.0	1.0	RA
RA353	200	35.0	500	5	35.0	1.0	RA
RA354	400	35.0	500	5	35.0	1.0	RA
RA355	600	35.0	500	5	35.0	1.0	RA



SMC



D<sup>2</sup>-PACK



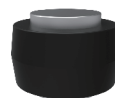
RA

## STANDARD RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
RA501GP	50	50.0	500	5	50.0	1.1	RA
RA502GP	100	50.0	500	5	50.0	1.1	RA
RA503GP	200	50.0	500	5	50.0	1.1	RA
RA504GP	400	50.0	500	5	50.0	1.1	RA
RA505GP	600	50.0	500	5	50.0	1.1	RA
RA506GP	800	50.0	500	5	50.0	1.1	RA
RA507GP	1000	50.0	500	5	50.0	1.1	RA
RA501	50	50.0	500	5	50.0	1.1	RA
RA502	100	50.0	500	5	50.0	1.1	RA
RA503	200	50.0	500	5	50.0	1.1	RA
RA504	400	50.0	500	5	50.0	1.1	RA
RA505	600	50.0	500	5	50.0	1.1	RA
SRA251GP	50	25.0	400	25	25.0	1.1	SRA
SRA252GP	100	25.0	400	25	25.0	1.1	SRA
SRA253GP	200	25.0	400	25	25.0	1.1	SRA
SRA254GP	400	25.0	400	25	25.0	1.1	SRA
SRA255GP	600	25.0	400	25	25.0	1.1	SRA
SRA256GP	800	25.0	400	25	25.0	1.1	SRA
SRA257GP	1000	25.0	400	25	25.0	1.1	SRA
SRA251	50	25.0	400	25	25.0	1.1	SRA
SRA252	100	25.0	400	25	25.0	1.1	SRA
SRA253	200	25.0	400	25	25.0	1.1	SRA
SRA254	400	25.0	400	25	25.0	1.1	SRA
SRA255	600	25.0	400	25	25.0	1.1	SRA
SRA351GP	50	35.0	500	10	35.0	1.0	SRA
SRA352GP	100	35.0	500	10	35.0	1.0	SRA
SRA353GP	200	35.0	500	10	35.0	1.0	SRA
SRA354GP	400	35.0	500	10	35.0	1.0	SRA
SRA355GP	600	35.0	500	10	35.0	1.0	SRA
SRA356GP	800	35.0	500	10	35.0	1.0	SRA
SRA357GP	1000	35.0	500	10	35.0	1.0	SRA
SRA351	50	35.0	500	10	35.0	1.0	SRA
SRA352	100	35.0	500	10	35.0	1.0	SRA
SRA353	200	35.0	500	10	35.0	1.0	SRA
SRA354	400	35.0	500	10	35.0	1.0	SRA
SRA355	600	35.0	500	10	35.0	1.0	SRA
SRA501GP	50	50.0	500	10	25.0	1.0	SRA
SRA502GP	100	50.0	500	10	25.0	1.0	SRA
SRA503GP	200	50.0	500	10	25.0	1.0	SRA



RA



SRA

## STANDARD RECOVERY RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
SRA504GP	400	50.0	500	10	25.0	1.0	SRA
SRA505GP	600	50.0	500	10	25.0	1.0	SRA
SRA506GP	800	50.0	500	10	25.0	1.0	SRA
SRA506GP	1000	50.0	500	10	25.0	1.0	SRA
SRA501	50	50.0	500	10	50.0	1.0	SRA
SRA502	100	50.0	500	10	50.0	1.0	SRA
SRA503	200	50.0	500	10	50.0	1.0	SRA
SRA504	400	50.0	500	10	50.0	1.0	SRA
SRA505	600	50.0	500	10	50.0	1.0	SRA



SRA

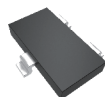
## SWITCHING DIODES

Part Number	Peak Reverse Voltage	Maximum Reverse Current @ 25°C		Maximum Forward Voltage Drop Current		Junction Capacitance VR =4.0V, f=1MHz	Reverse Recovery Time	Maximum Power Dissipation @ TA=25°C	Package	Marking Code	Pin Identity
	PRV	IR @ VR		VF @ IF		Cj Max.	tr Max.	PD			
	V	µA	V	V	mA	pF	nS	mW			
1N4148	100	5.000	75	1	10	4.0	4	500	DO-35	-	-
1N4448	100	0.025	75	1	100	4.0	4	500	DO-35	-	-
1N914	100	0.025	20	1	10	4.0	4	500	DO-35	-	-
1N914A	100	0.025	20	1	10	4.0	4	500	DO-35	-	-
1N914B	100	0.025	20	1	10	4.0	4	500	DO-35	-	-
DL4148	100	5.000	75	1	10	4.0	4	500	MINIMELF	-	-
DL4448	100	5.000	75	1	100	4.0	4	500	MINIMELF	-	-
DL914	100	0.025	20	1	10	4.0	4	500	MINIMELF	-	-
LS4148	100	5.000	75	1	10	4.0	4	500	QUADRO MELF	-	-
BAS16W	75	1.000	75	1.250	150	2	6	350	SOD-123	A6/T4	-
BAV3004W	350	0.100	240	0.930	100	1	50	400	SOD-123	-	-
MMSD914	75	5.000	75	1.000	10	4	4	400	SOD-123	5D	-
1N4148W	100	50.000	75	0.715	1	2	4	400	SOD-123	T4	-
BAV19W	120	0.100	100	1.000	100	1.5	50	410	SOD-123	A8	-
BAV20W	200	0.100	150	1.000	100	1.5	50	410	SOD-123	T2/A80	-
BAV21W	250	0.100	200	1.000	100	1.5	50	410	SOD-123	T3/A82	-
1N4448W	100	0.025	75	1.000	100	4	4	500	SOD-123	T5	-
1N4148WX	100	5.000	75	1.000	50	4	4	200	SOD-323	T4	-
1N4448WX	75	2.500	75	1.000	100	4	4	200	SOD-323	T5	-
1SS355	90	0.100	80	1.200	100	3	4	-	SOD-323	A	-
1SS357	45	5.000	40	0.360	10	18	-	200	SOD-323	S31	-
1SS404	25	50.000	20	0.160	1	46	-	200	SOD-323	S51	-
BAS21WS	250	0.100	200	1.250	200	5	50	200	SOD-323	JS	-
BAV19WS	120	0.100	100	1.250	200	1.5	50	250	SOD-323	A8	-
BAV20WS	200	0.100	150	1.250	200	1.5	50	250	SOD-323	T2	-
BAV21WS	250	0.100	200	1.250	200	1.5	50	250	SOD-323	T3	-
MMDL914	100	0.025	20	1.000	10	4	4	200	SOD-323	5D	-
BAS16WX	75	1.000	75	1.250	150	2	6	350	SOD-323	A6/T4	-
BAS316	100	1.000	75	0.715	1	1.5	4	400	SOD-323	A6	-
1N4148WXL	100	5.000	75	1.000	50	4	4	200	SOD-323	T4/S1	-
1N4448X	75	2.500	75	1.000	100	4	4	150	SOD-523	T5	-
1SS387	85	0.100	30	0.620	1	3	4	150	SOD-523	G	-
1SS388	45	5.000	10	0.360	10	18	-	150	SOD-523	S3	-
1SS389	15	20.000	10	0.230	5	20	-	150	SOD-523	S4	-
1SS400	90	0.100	80	1.200	100	3	4	150	SOD-523	A	-
BAS16X	75	1.000	75	1.000	50	2	6	150	SOD-523	A6	-
BAS516	75	0.030	25	0.715	1	1	4	-	SOD-523	61	-
1N4148X	100	1.000	75	1.250	150	2	4	200	SOD-523	T4	-
1SS400G	90	0.100	80	1.200	100	3	4	100	SOD-723	7	-
1N4148WLP	80	0.100	80	1.200	100		4	100	SOD-882	7	-
1SS181	80	0.500	80	1.200	100	4	4	150	SOT-23	A3	2
1SS184	80	0.500	80	1.200	100	3	4	150	SOT-23	B3	3
1SS187	80	0.500	80	1.200	100	4	4	150	SOT-23	D3	13
1SS193	80	0.500	80	1.200	100	3	4	150	SOT-23	F3	1
1SS196	80	0.500	80	1.200	100	3	4	150	SOT-23	G3	1
1SS226	80	0.500	80	0.715	1	3	4	150	SOT-23	C3	4
DAN202	80	0.100	70	1.200	100	3.5	4	200	SOT-23	N	3
DAN217	80	0.100	70	1.200	100	2	4	200	SOT-23	BA1	4



## SWITCHING DIODES

Part Number	Peak Reverse Voltage	Maximum Reverse Current @ 25°C		Maximum Forward Voltage Drop Current		Junction Capacitance VR =4.0V, f=1MHz	Reverse Recovery Time	Maximum Power Dissipation @ TA=25°C	Package	Marking Code	Pin Identity
	PRV	IR @ VR		VF @ IF		Cj Max.	tr Max.	PD			
	V	µA	V	V	mA	pF	nS	mW			
DAP202	80	0.100	70	1.200	100	3.5	4	200	SOT-23	P	2
BAS116	75	0.005	75	1.000	10	2	3000	225	SOT-23	JV	1
BAS21A	250	1.000	200	1.100	100	5	50	225	SOT-23	JS2	2
BAS21C	250	1.000	200	1.100	100	5	50	225	SOT-23	JS3	2
BAS21S	250	1.000	200	1.100	100	5	50	225	SOT-23	JS4	2
BAV74	50	0.100	50	1.000	100	2	4	225	SOT-23	JA	3
MMBD7000	100	1.000	50	0.820	10	2	4	225	SOT-23	M5C	4
BAS19	120	0.100	120	1.250	200	5	50	250	SOT-23	JP	1
BAS20	200	0.100	200	1.250	200	5	50	250	SOT-23	JR	1
BAS21	250	0.100	250	1.250	200	5	50	250	SOT-23	JS	1
BAV170	85	0.005	75	0.900	1	2	3000	250	SOT-23	JX	3
BAV199	70	0.005	75	1.250	150	2	3000	250	SOT-23	JY	4
BAW156	75	0.005	75	0.900	1	3	3000	250	SOT-23	JZ	2
MMBD2004S	300	0.100	240	1.000	100	5	50	250	SOT-23	B6D	4
BAL99	70	2.500	70	0.715	1	1.5	6	350	SOT-23	JF	1
BAS16	100	1.000	75	1.250	150	2	4	350	SOT-23	A6	1
BAV23A	200	0.100	250	1.250	200	5	50	350	SOT-23	KT7	2
BAV23C	200	0.100	250	1.250	200	5	50	350	SOT-23	KT6	3
BAV23S	200	0.100	250	1.250	200	5	50	350	SOT-23	KL31	4
BAV70	75	2.500	75	0.855	10	2	4	350	SOT-23	A4/JA	3
BAV99	70	2.500	75	0.855	10	2	6	350	SOT-23	A7/JG	4
BAW56	75	2.500	75	0.855	10	2	4	350	SOT-23	A1/JC	2
CMP5H-3	30	0.500	25	1.000	100	4	4	350	SOT-23	D95	1
CMP5H-3A	30	0.500	25	1.000	100	4	4	350	SOT-23	DB1	2
CMP5H-3C	30	0.500	25	1.000	100	4	4	350	SOT-23	DB2	3
CMP5H-3S	30	0.500	25	1.000	100	4	4	350	SOT-23	DA5	4
MMBD1501	180	5.000	180	1.500	300	4	-	350	SOT-23	11	1
MMBD1503	180	5.000	180	1.500	300	4	-	350	SOT-23	13	4
MMBD1504	180	5.000	180	1.500	300	4	-	350	SOT-23	14	3
MMBD1505	180	5.000	180	1.500	300	4	-	350	SOT-23	15	2
MMBD4148	100	0.025	20	0.855	10	2	4	350	SOT-23	KA2/A2	1
MMBD4148CA	75	0.025	20	1.000	10	4	4	350	SOT-23	D6	2
MMBD4148CC	75	0.025	20	1.000	10	4	4	350	SOT-23	D5/KD5	3
MMBD4148SE	75	0.025	20	1.000	10	4	4	350	SOT-23	D4	4
MMBD4448	100	0.025	20	0.720	5	4	4	350	SOT-23	KA3	1
MMBD914	100	0.025	20	0.855	10	2	4	350	SOT-23	5D	1
MMBD3004S	240	0.100	240	1.000	100	5	50	410	SOT-23	-	4
BAS16WT	75	1.000	75	1.000	50	2	4	200	SOT-323	A2	1
BAS19WT	100	0.100	100	1.000	100	5	50	200	SOT-323	KA8	1
BAS20WT	150	0.100	150	1.000	100	5	50	200	SOT-323	KT2	1
BAS21WT	200	0.100	200	1.000	100	5	50	200	SOT-323	KT3	1
BAV199WT	85	5.000	75	1.000	10	2	3000	200	SOT-323	K52	4
BAV70WT	75	2.500	75	1.000	50	2	4	200	SOT-323	KJA	3
BAV99WT	75	2.500	75	1.000	50	2	4	200	SOT-323	KJG	4
BAW56WT	75	2.500	75	1.000	50	2	4	200	SOT-323	KJC	2
DA204U	20	0.100	15	1.000	10	-	-	200	SOT-323	K	4
DAN202U	80	0.100	70	1.200	100	3.5	4	200	SOT-323	N	3
DAN217U	80	0.200	70	1.200	100	-	-	200	SOT-323	A7	4



SOT-23



SOT-323

## SWITCHING DIODES

Part Number	Peak Reverse Voltage	Maximum Reverse Current @ 25°C		Maximum Forward Voltage Drop Current		Junction Capacitance VR =4.0V, f=1MHz	Reverse Recovery Time	Maximum Power Dissipation @ TA=25°C	Package	Marking Code	Pin Identity
	PRV	IR @ VR		VF @ IF		Cj Max.	trr Max.	PD			
	V	µA	V	V	mA	pF	nS	mW			
DAP202U	80	0.100	70	1.200	100	3.5	4	200	SOT-323	P	2
MMBD4148WT	75	1.000	75	1.000	50	2	4	200	SOT-323	A2	1
MMBD4448WT	100	0.025	75	0.720	5	4	4	200	SOT-323	KA3	1
MMBD2004SWT	300	0.100	240	1.000	100	5	50	250	SOT-323	B6D	4
BAS16T	85	2.000	75	1.000	50	1.5	4	150	SOT-523	A2	1
BAS21T	250	0.100	250	1.000	100	5	50	150	SOT-523	T3	1
BAV70T	85	2.000	75	1.000	50	1.5	4	150	SOT-523	JJ	3
BAV99T	85	2.000	75	1.000	50	1.5	4	150	SOT-523	JE	4
BAW56T	85	2.000	75	1.000	50	1.5	4	150	SOT-523	JD	2
DAN222	80	0.100	10	1.200	1	3.5	4	-	SOT-523	N	3
DAP222	80	0.100	10	1.200	1	3.5	4	-	SOT-523	P	2
MMBD4448HT	100	0.025	20	0.720	5	3.5	4	150	SOT-523	A3	1
MMBD4448HTA	100	0.025	20	0.720	5	3.5	4	150	SOT-523	A6	2
MMBD4448HTC	100	0.025	20	0.720	5	3.5	4	150	SOT-523	A7	3
MMBD4448HTS	100	0.025	20	0.720	5	3.5	4	150	SOT-523	AB	4
DA227	80	0.100	70	1.200	100	3.5	4	200	SOT-353	N20	13
BAS16TW	75	1.000	75	1.000	50	2	4	200	SOT-363	KA2	5
BAV199DW	85	0.005	75	1.000	10	2	3000	200	SOT-363	K52	7
BAV70DW	75	2.500	75	1.000	50	2	4	200	SOT-363	KJA	6
BAV99BRW	75	2.500	75	0.855	10	2	4	200	SOT-363	KGJ	12
BAV99DW	75	2.500	75	0.855	10	2	4	200	SOT-363	KJG	7
BAW56DW	75	2.500	75	1.000	50	2	4	200	SOT-363	KJC	10
MMBD4148TW	75	1.000	75	1.000	50	2	4	200	SOT-363	KA2	5
MMBD4448DW	75	2.500	75	1.000	50	4	4	200	SOT-363	KA3	8
MMBD4448HADW	80	0.100	70	1.000	50	3.5	4	200	SOT-363	KA6	10
MMBD4448HAQW	80	0.100	70	1.000	50	3.5	4	200	SOT-363	KA5	9
MMBD4448HCDW	80	0.100	70	1.000	50	3.5	4	200	SOT-363	KA7	6
MMBD4448HCQW	80	0.100	70	1.000	50	3.5	4	200	SOT-363	KA4	11
MMBD4448HSDW	80	0.100	70	1.000	50	3.5	4	200	SOT-363	KAB	7
MMBD4448HTW	80	0.100	70	1.000	50	3.5	4	200	SOT-363	KAA	5
BAS16V	75	1.000	75	1.000	50	2	4	150	SOT-563	KAM	4
MMBD4448V	80	0.100	70	1.000	100	3.5	4	150	SOT-563	KAL	4
BAS28	85	1.000	75	1.000	50	1.5	4	250	SOT-143	JT	-

### Pin Configuration

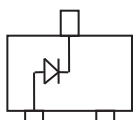


Figure 1

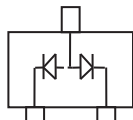


Figure 2

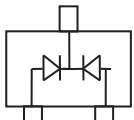


Figure 3

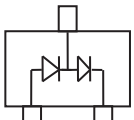


Figure 4

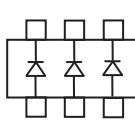


Figure 5

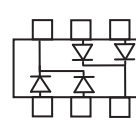


Figure 6

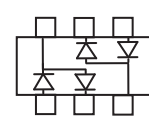


Figure 7

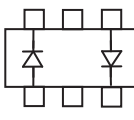


Figure 8

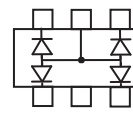


Figure 9

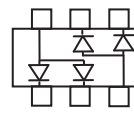


Figure 10

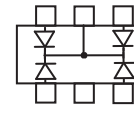


Figure 11

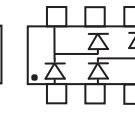


Figure 12

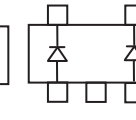


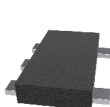
Figure 13



SOT-323



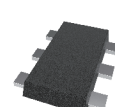
SOT-523



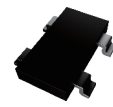
SOT-353



SOT-363



SOT-563



SOT-143

## SMALL SIGNAL SCHOTTKY DIODES

Part Number	Peak Reverse Voltage	Maximum Reverse Current		Maximum Forward Voltage Drop				Surge Current	Capacitance	Marking Code	Package	Pin Identity
	PRV	V <sub>R</sub>	I <sub>R</sub>	V <sub>F</sub> @ I <sub>F</sub>		V <sub>F</sub> @ I <sub>F</sub>		I <sub>FSM</sub>	C <sub>TOT</sub>			
	V	V	mA	mV	mA	mV	mA	mAdc	pF			
BAT54	30	25	2.0	320	1	500	30	600	10	KL1/L4/L4P	SOT-23	Fig.1
BAT54A	30	25	2.0	320	1	500	30	600	10	KL2/L42	SOT-23	Fig.2
BAT54C	30	25	2.0	320	1	500	30	600	10	KL3/L43	SOT-23	Fig.3
BAT54S	30	25	2.0	320	1	500	30	600	10	KL4/L44	SOT-23	Fig.4
BAS40	40	30	0.2	380	1	1000	40	600	5	43	SOT-23	Fig.1
BAS40-04	40	30	0.2	380	1	1000	40	600	5	44	SOT-23	Fig.4
BAS40-05	40	30	0.2	380	1	1000	40	600	5	45	SOT-23	Fig.3
BAS40-06	40	30	0.2	380	1	1000	40	600	5	46	SOT-23	Fig.2
BAS70	70	50	0.2	410	1	1000	15	100	2	73	SOT-23	Fig.1
BAS70-04	70	50	0.2	410	1	1000	15	100	2	74	SOT-23	Fig.4
BAS70-05	70	50	0.2	410	1	1000	15	100	2	75	SOT-23	Fig.3
BAS70-06	70	50	0.2	410	1	1000	15	100	2	76	SOT-23	Fig.2
BAT54WT	30	25	2.0	320	1	500	30	600	10	KL5	SOT-323	Fig.1
BAT54AWT	30	25	2.0	320	1	500	30	600	10	KL6	SOT-323	Fig.2
BAT54CWT	30	25	2.0	320	1	500	30	600	10	KL7	SOT-323	Fig.3
BAT54SWT	30	25	2.0	320	1	500	30	600	10	KL8	SOT-323	Fig.4
BAS40WT	40	30	1.0	380	1	1000	40	---	5	43/K43/S40	SOT-323	Fig.1
BAS40WT-04	40	30	1.0	380	1	1000	40	---	5	44/K44/S42	SOT-323	Fig.4
BAS40WT-05	40	30	1.0	380	1	1000	40	---	5	45/K45/S43	SOT-323	Fig.3
BAS40WT-06	40	30	1.0	380	1	1000	40	---	5	46/K46/S44	SOT-323	Fig.2
BAS70WT	70	50	0.1	410	1	1000	15	---	2	K73	SOT-323	Fig.1
BAS70WT-04	70	50	0.1	410	1	1000	15	---	2	K74	SOT-323	Fig.4
BAS70WT-05	70	50	0.1	410	1	1000	15	---	2	K75	SOT-323	Fig.3
BAS70WT-06	70	50	0.1	410	1	1000	15	---	2	K76	SOT-323	Fig.2
BAT64-04W	40	30	2.0	430	10	750	100	800	30	64S	SOT-323	Fig.4
BAT64-05W	40	30	2.0	430	10	750	100	800	30	65S	SOT-323	Fig.3
BAT64-06W	40	30	2.0	430	10	750	100	800	30	66S	SOT-323	Fig.2

### Pin Configuration

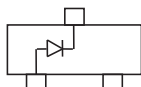


Figure 1

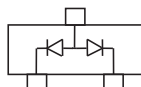


Figure 2

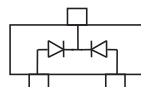


Figure 3

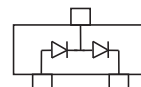
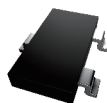


Figure 4



SOT-23



SOT-323

## SMALL SIGNAL SCHOTTKY DIODES

Part Number	Peak Reverse Voltage	Maximum Reverse Current		Maximum Forward Voltage Drop				Surge Current	Capacitance	Maximum Reverse Recovery Time	Marking Code	Package
	PRV	V <sub>R</sub>	I <sub>R</sub>	V <sub>F</sub> @ I <sub>F</sub>		V <sub>F</sub> @ I <sub>F</sub>		I <sub>FSM</sub>	C <sub>TOT</sub>	T <sub>rr</sub>		
	V	V	μA	mV	mA	mV	mA	mA <sub>dc</sub>	pF	ns		
BAS40T	40	30	0.2	380	1	1000	40	---	5	5	43	SOT-523
BAS40-04T	40	30	0.2	380	1	1000	40	---	5	5	44	SOT-523
BAS40-05T	40	30	0.2	380	1	1000	40	---	5	5	45	SOT-523
BAS40-06T	40	30	0.2	380	1	1000	40	---	5	5	46	SOT-523
BAT54T	30	25	2.0	320	1	500	30	600	10	5	L1	SOT-523
BAT54AT	30	25	2.0	320	1	500	30	600	10	5	L2	SOT-523
BAT54CT	30	25	2.0	320	1	500	30	600	10	5	L3	SOT-523
BAT54ST	30	25	2.0	320	1	500	30	600	10	5	L4	SOT-523
BAS70T	70	50	0.1	410	1	1000	15	100	2	5	7C	SOT-523
BAS70-04T	70	50	0.1	410	1	1000	15	100	2	5	7D	SOT-523
BAS70-05T	70	50	0.1	410	1	1000	15	100	2	5	7E	SOT-523
BAS70-06T	70	50	0.1	410	1	1000	15	100	2	5	7F	SOT-523
BAT54V	30	25	2.0	320	1	500	30	---	10	5	KAV	SOT-563
BAS40V	40	30	0.2	380	1	1000	40	---	5	5	KAN	SOT-563
BAS40BRW	40	30	0.2	380	1	1000	40	---	5	5	K47	SOT-363
BAS40DW-04	40	30	0.2	380	1	1000	40	---	5	5	K44	SOT-363
BAS40DW-05	40	30	0.2	380	1	1000	40	---	5	5	K45	SOT-363
BAS40DW-06	40	30	0.2	380	1	1000	40	---	5	5	K461	SOT-363
BAS40TW	40	30	0.2	380	1	1000	40	---	5	5	K43	SOT-363
BAT54TW	30	25	2.0	320	1	500	30	600	10	5	KLA	SOT-363
BAT54ADW	30	25	2.0	320	1	500	30	600	10	5	KL6	SOT-363
BAT54CDW	30	25	2.0	320	1	500	30	600	10	5	KL7	SOT-363
BAT54SDW	30	25	2.0	320	1	500	30	600	10	5	KL8	SOT-363
BAT54BRW	30	25	2.0	320	1	500	30	600	10	5	KLB	SOT-363
BAT54DW	30	25	2.0	320	1	500	30	600	10	5	KLD	SOT-363
BAS70BRW	70	50	0.1	410	1	1000	15	100	2	5	K75	SOT-363
BAS70DW-04	70	50	0.1	410	1	1000	15	100	2	5	K74	SOT-363
BAS70DW-05	70	50	0.1	410	1	1000	15	100	2	5	K71	SOT-363
BAS70DW-06	70	50	0.1	410	1	1000	15	100	2	5	K76	SOT-363
BAS70TW	70	50	0.1	410	1	1000	15	100	2	5	K73	SOT-363
BAT54W	30	25	2.0	400	10	1000	100	600	10	---	L9	SOD-123
SD101AW	60	50	0.2	410	1	1000	15	2000	2	1	S1	SOD-123
SD101BW	50	40	0.2	400	1	950	15	2000	2.1	1	S2	SOD-123
SD101CW	40	30	0.2	390	1	900	15	2000	2.2	1	S3	SOD-123
SD103AW	40	30	5	370	20	600	200	1500	50	10	S4	SOD-123
SD103BW	30	20	5	370	20	600	200	1500	50	10	S5	SOD-123
SD103CW	20	10	5	370	20	600	200	1500	50	10	S6	SOD-123
BAT54WS	30	25	2.0	400	10	1000	100	600	10.0	5	L9/JV	SOD-323
BAS70WX	70	50	0.1	410	1	1000	15	100	2.0	5	K73	SOD-323
BAT60B	10	5	15	300	10	600	5000	3000	30	---	W5	SOD-323
SD106WS	30	30	5	550	200	---	---	1000	15	---	S21	SOD-323
SD107WS	30	25	1	550	50	800	100	750	7	---	SG	SOD-323
B0530WS	30	30	300	550	500	---	---	5000	30	---	3/SE	SOD-323
BAS40WX	40	30	0.2	380	1	1000	40	600	5.0	5	43	SOD-323
SD101AWS	60	50	0.2	410	1	1000	15	2000	2.0	1	S1	SOD-323
SD101BWS	50	40	0.2	400	1	950	15	2000	2.1	1	S2	SOD-323
SD101CWS	40	30	0.2	390	1	900	15	2000	2.2	1	S3	SOD-323
SD103AWS	40	30	5.0	370	20	600	200	1500	50.0	10	S4	SOD-323
SD103BWS	30	20	5.0	370	20	600	200	1500	50.0	10	S5	SOD-323
SD103CWS	20	10	5.0	370	20	600	200	1500	50.0	10	S6	SOD-323
BAT54WX	30	25	2.0	500	30	400	10	600	10.0	5	JV	SOD-523
SD103AX	40	30	5.0	370	20	600	200	1000	50.0	10	S4	SOD-523
BAS70LP	70	50	100.0	410	1	1000	15	100	---	---	S5	SOD-882
BAS40LP	40	40	10.0	500	10	1000	40	200	---	5	S6	SOD-882



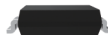
SOT-523



SOT-563



SOT-363



SOD-123



SOD-323



SOD-523



SOD-882

## SCHOTTKY BARRIER RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ V <sub>RWM</sub>	Maximum Forward Voltage		Package
	V <sub>RWM</sub>	I <sub>O</sub> @ T <sub>L</sub>	I <sub>FSM</sub>	I <sub>R</sub>	I <sub>FM</sub>	V <sub>FM</sub>	
	V	A	A	μA	A	V	
1N5817	20.0	1.000	25.00	1000.0	1.000	0.450	DO-41
1N5818	30.0	1.000	25.00	1000.0	1.000	0.550	DO-41
1N5819	40.0	1.000	25.00	1000.0	1.000	0.600	DO-41
SR102	20.0	1.000	25.00	1000.0	1.000	0.450	DO-41
SR103	30.0	1.000	25.00	1000.0	1.000	0.550	DO-41
SR104	40.0	1.000	25.00	1000.0	1.000	0.600	DO-41
SR105	50.0	1.000	30.00	500.0	1.000	0.700	DO-41
SR106	60.0	1.000	30.00	500.0	1.000	0.700	DO-41
SR108	80.0	1.000	30.00	500.0	1.000	0.850	DO-41
SR1010	100.0	1.000	30.00	500.0	1.000	0.850	DO-41
SR1150	150.0	1.000	40.00	10.0	1.000	0.870	DO-41
SR1200	200.0	1.000	30.00	200.0	1.000	0.900	DO-41
SR202	20.0	2.000	50.00	1000.0	2.000	0.550	DO-41
SR203	30.0	2.000	50.00	1000.0	2.000	0.550	DO-41
SR204	40.0	2.000	50.00	1000.0	2.000	0.550	DO-41
SR206	60.0	2.000	50.00	1000.0	2.000	0.700	DO-41
SR208	80.0	2.000	50.00	1000.0	2.000	0.850	DO-41
SR2010	100.0	2.000	50.00	1000.0	2.000	0.850	DO-41
SR2150	150.0	2.000	50.00	500.0	2.000	0.950	DO-41
SB220	20.0	2.000	50.00	500.0	2.000	0.500	DO-15
SB230	30.0	2.000	50.00	500.0	2.000	0.500	DO-15
SB240	40.0	2.000	50.00	500.0	2.000	0.500	DO-15
SB245	45.0	2.000	50.00	500.0	2.000	0.500	DO-15
SB250	50.0	2.000	50.00	500.0	2.000	0.700	DO-15
SB260	60.0	2.000	50.00	500.0	2.000	0.700	DO-15
SB280	80.0	2.000	50.00	500.0	2.000	0.850	DO-15
SB2150	150.0	2.000	50.00	500.0	2.000	0.950	DO-15
SB2200	200.0	2.000	50.00	200.0	2.000	0.900	DO-15
SB2010	100.0	2.000	50.00	500.0	2.000	0.850	DO-15
1N60	40.0	0.030	0.15	0.5	0.001	0.500	DO-35
RB721Q-40	40.0	0.030	0.20	0.5	0.001	0.370	DO-35
1N60P	45.0	0.050	0.50	1.0	0.001	0.500	DO-35
RB441Q	40.0	0.100	1.00	100.0	0.100	0.550	DO-35
1N5820	20.0	3.000	80.00	500.0	3.000	0.475	DO-201AD
1N5821	30.0	3.000	80.00	500.0	3.000	0.500	DO-201AD
1N5822	40.0	3.000	80.00	500.0	3.000	0.525	DO-201AD
SR302	20.0	3.000	80.00	500.0	3.000	0.500	DO-201AD
SR303	30.0	3.000	80.00	500.0	3.000	0.500	DO-201AD
SR304	40.0	3.000	80.00	500.0	3.000	0.500	DO-201AD
SR345	45.0	3.000	80.00	500.0	3.000	0.500	DO-201AD
SR305	50.0	3.000	80.00	1000.0	3.000	0.720	DO-201AD
SR306	60.0	3.000	80.00	1000.0	3.000	0.720	DO-201AD
SR308	80.0	3.000	80.00	1000.0	3.000	0.850	DO-201AD
SR3010	100.0	3.000	80.00	1000.0	3.000	0.850	DO-201AD
SR3150	150.0	3.000	80.00	500.0	3.000	0.920	DO-201AD



DO-41



DO-15



DO-35



DO-201AD

## SCHOTTKY BARRIER RECTIFIERS

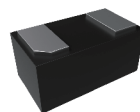
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
Sr3200	200.0	3.000	80.00	200.0	3.000	0.900	DO-201AD
SR502	20.0	5.000	150.00	1000.0	5.000	0.550	DO-201AD
SR503	30.0	5.000	150.00	1000.0	5.000	0.550	DO-201AD
SR504	40.0	5.000	150.00	1000.0	5.000	0.550	DO-201AD
SR505	50.0	5.000	150.00	1000.0	5.000	0.700	DO-201AD
SR506	60.0	5.000	150.00	1000.0	5.000	0.700	DO-201AD
SR508	80.0	5.000	150.00	1000.0	5.000	0.850	DO-201AD
SR5010	100.0	5.000	150.00	1000.0	5.000	0.850	DO-201AD
SR5150	150.0	5.000	150.00	2000.0	5.000	0.920	DO-201AD
SR5200	200.0	5.000	150.00	500.0	5.000	0.950	DO-201AD
SD820	20.0	8.000	175.00	500.0	8.000	0.620	DO-201AD
SD830	30.0	8.000	175.00	500.0	8.000	0.620	DO-201AD
SD840	40.0	8.000	175.00	500.0	8.000	0.620	DO-201AD
SD850	50.0	8.000	175.00	500.0	8.000	0.620	DO-201AD
SD860	60.0	8.000	175.00	500.0	8.000	0.620	DO-201AD
SD880	80.0	8.000	175.00	500.0	8.000	0.850	DO-201AD
SD8100	100.0	8.000	175.00	500.0	8.000	0.850	DO-201AD
SR802	20.0	8.000	150.00	500.0	8.000	0.650	DO-201AD
SR803	30.0	8.000	150.00	500.0	8.000	0.650	DO-201AD
SR804	40.0	8.000	150.00	500.0	8.000	0.650	DO-201AD
SR8045	45.0	8.000	150.00	500.0	8.000	0.650	DO-201AD
SR805	50.0	8.000	150.00	500.0	8.000	0.700	DO-201AD
SR806	60.0	8.000	150.00	500.0	8.000	0.700	DO-201AD
SR808	80.0	8.000	150.00	500.0	8.000	0.850	DO-201AD
SR810	100.0	8.000	150.00	500.0	8.000	0.850	DO-201AD
SB1220	20.0	12.000	250.00	500.0	12.000	0.550	DO-201AD
SB1230	30.0	12.000	250.00	500.0	12.000	0.550	DO-201AD
SB1240	40.0	12.000	250.00	500.0	12.000	0.550	DO-201AD
SB1245	45.0	12.000	180.00	100.0	12.000	0.480	DO-201AD
SB1250	50.0	12.000	250.00	500.0	12.000	0.700	DO-201AD
SB1260	60.0	12.000	250.00	500.0	12.000	0.700	DO-201AD
SB1280	80.0	12.000	250.00	500.0	12.000	0.850	DO-201AD
SB12100	100.0	12.000	250.00	500.0	12.000	0.850	DO-201AD
SR1045	45.0	10.000	275.00	500.0	10.000	0.550	R-6
SB1520	20.0	15.000	300.00	500.0	15.000	0.600	R-6
SB1530	30.0	15.000	300.00	500.0	15.000	0.600	R-6
SB1540	40.0	15.000	300.00	500.0	15.000	0.600	R-6
SB1550	50.0	15.000	300.00	500.0	15.000	0.720	R-6
SB1560	60.0	15.000	300.00	500.0	15.000	0.720	R-6
SB1580	80.0	15.000	300.00	500.0	15.000	0.850	R-6
SB15100	100.0	15.000	300.00	500.0	15.000	0.850	R-6
RB751S-40DP	40.0	0.030	0.20	0.5	0.001	0.370	0201
RB520S-30DP	30.0	0.100	0.50	20.0	0.010	0.450	0201
RB521S-30DP	30.0	0.100	0.50	50.0	0.010	0.380	0201
LL60	40.0	0.030	0.15	0.5	0.001	0.500	MINIMELF



DO-201AD



R-6



0201



MINIMELF

## SCHOTTKY BARRIER RECTIFIERS

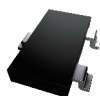
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ V <sub>RWM</sub>	Maximum Forward Voltage		Package
	V <sub>RWM</sub>	I <sub>O</sub> @ T <sub>L</sub>	I <sub>FSM</sub>	I <sub>R</sub>	I <sub>FM</sub>	V <sub>FM</sub>	
	V	A	A	μA	A	V	
LL60P	45.0	0.050	0.50	1.0	0.001	0.500	MINIMELF
LL85	30.0	0.200	0.60	2.0	0.001	0.320	MINIMELF
LS103A	40.0	0.350	-	5.0	0.020	0.370	Quadro MELF
LS103B	30.0	0.350	-	5.0	0.020	0.370	Quadro MELF
LS103C	20.0	0.350	-	5.0	0.020	0.370	Quadro MELF
MMBD301	30.0	0.050	-	0.2	0.010	0.520	SOT-23
1SS294	40.0	0.100	0.30	5.0	0.100	0.540	SOT-23
RB420DS	40.0	0.100	1.00	1.0	0.010	0.450	SOT-23
RB421DS	40.0	0.100	1.00	30.0	0.100	0.550	SOT-23
RB425DS	40.0	0.100	1.00	30.0	0.100	0.550	SOT-23
BAR43	30.0	0.200	-	0.5	0.002	0.330	SOT-23
BAR43A	30.0	0.200	-	0.5	0.002	0.330	SOT-23
BAR43C	30.0	0.200	-	0.5	0.002	0.330	SOT-23
BAR43S	30.0	0.200	-	0.5	0.002	0.330	SOT-23
RB495DS	25.0	0.400	2.00	70.0	0.200	0.500	SOT-23
BAT720	40.0	0.500	2.00	100.0	0.500	0.550	SOT-23
RB400DS	40.0	0.500	3.00	50.0	0.500	0.550	SOT-23
RB411DS	20.0	0.500	3.00	30.0	0.500	0.500	SOT-23
RB491DS	20.0	1.000	3.00	200.0	1.000	0.450	SOT-23
RB706F-40	40.0	0.030	0.20	1.0	0.001	0.370	SOT-323
RB715F	40.0	0.030	0.20	1.0	0.001	0.370	SOT-323
RB717F	40.0	0.030	0.20	1.0	0.001	0.370	SOT-323
1SS372	10.0	0.100	1.00	20.0	0.100	0.500	SOT-323
RB461F	20.0	0.700	-	200.0	0.700	0.490	SOT-323
RB715W	40.0	0.030	0.20	1.0	0.001	0.370	SOT-523
RB480KS	40.0	0.100	1.00	1.0	0.010	0.450	SOT-353
SD103ATW	40.0	0.175	1.00	5.0	0.020	0.370	SOT-363
BAT46W	100.0	0.150	-	5.0	0.250	1.000	SOD-123
BAT42W	30.0	0.200	4.00	0.5	0.200	1.000	SOD-123
BAT43W	30.0	0.200	4.00	0.5	0.200	1.000	SOD-123
MBR0520	20.0	0.500	5.50	200.0	0.500	0.450	SOD-123
MBR0530	30.0	0.500	5.50	200.0	0.500	0.550	SOD-123
MBR0540	40.0	0.500	5.50	200.0	0.500	0.550	SOD-123
MBR0560	60.0	0.500	5.50	200.0	0.500	0.700	SOD-123
MBR0580	80.0	0.500	5.50	200.0	0.500	0.800	SOD-123
MBR0520L	20.0	0.500	5.50	250.0	0.500	0.385	SOD-123
MBR0530L	30.0	0.500	5.50	130.0	0.500	0.430	SOD-123
MBR0540L	40.0	0.500	5.50	20.0	0.500	0.500	SOD-123
MBRX120LF	14.0	1.000	12.00	260.0	0.100	0.200	SOD-123
MBRX120	20.0	1.000	20.00	300.0	1.000	0.550	SOD-123
MBRX130	30.0	1.000	20.00	300.0	1.000	0.550	SOD-123
MBRX140	40.0	1.000	20.00	300.0	1.000	0.550	SOD-123
MBRX160	60.0	1.000	20.00	300.0	1.000	0.720	SOD-123
B5817W	20.0	1.000	10.00	1000.0	1.000	0.450	SOD-123
B5818W	30.0	1.000	10.00	1000.0	1.000	0.550	SOD-123



MINIMELF



Quadro MELF



SOT-23



SOT-323



SOT-523



SOT-353



SOT-363



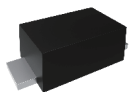
SOD-123

## SCHOTTKY BARRIER RECTIFIERS

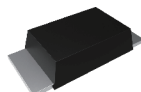
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ V <sub>RWM</sub>	Maximum Forward Voltage		Package
	V <sub>RWM</sub>	I <sub>o</sub> @ T <sub>L</sub>	I <sub>FSM</sub>	I <sub>R</sub>	I <sub>FM</sub>	V <sub>FM</sub>	
	V	A	A	μA	A	V	
B5819W	40.0	1.000	10.00	1000.0	1.000	0.600	SOD-123
MBR140LSF	40.0	1.000	30.00	1000.0	1.000	0.400	SOD-123FL
SM5817PL	20.0	1.000	30.00	100.0	1.000	0.450	SOD-123FL
SM5818PL	30.0	1.000	30.00	100.0	1.000	0.500	SOD-123FL
SM5819PL	40.0	1.000	30.00	100.0	1.000	0.600	SOD-123FL
SMD110PL	100.0	1.000	30.00	500.0	1.000	0.850	SOD-123FL
SMD1150PL	150.0	1.000	30.00	500.0	1.000	0.850	SOD-123FL
SMD1200PL	200.0	1.000	30.00	500.0	1.000	0.950	SOD-123FL
SMD15PL	50.0	1.000	30.00	500.0	1.000	0.700	SOD-123FL
SMD16PL	60.0	1.000	30.00	500.0	1.000	0.700	SOD-123FL
SMD18PL	80.0	1.000	30.00	500.0	1.000	0.850	SOD-123FL
SMD22PL	20.0	2.000	50.00	500.0	2.000	0.500	SOD-123FL
SMD24PL	40.0	2.000	50.00	500.0	2.000	0.500	SOD-123FL
SMD26PL	60.0	2.000	50.00	500.0	2.000	0.700	SOD-123FL
SMD28PL	80.0	2.000	50.00	500.0	2.000	0.850	SOD-123FL
SMD210PL	100.0	2.000	50.00	500.0	2.000	0.850	SOD-123FL
SMD2150PL	150.0	2.000	50.00	500.0	2.000	0.900	SOD-123FL
SMD220PL	200.0	2.000	50.00	500.0	2.000	0.900	SOD-123FL
SS32HT	20.0	3.000	50.00	200.0	3.000	0.550	SOD-123HT
SS33HT	30.0	3.000	50.00	200.0	3.000	0.550	SOD-123HT
SS34HT	40.0	3.000	50.00	200.0	3.000	0.550	SOD-123HT
SS35HT	50.0	3.000	50.00	200.0	3.000	0.700	SOD-123HT
SS36HT	60.0	3.000	50.00	200.0	3.000	0.700	SOD-123HT
SS38HT	80.0	3.000	50.00	200.0	3.000	0.850	SOD-123HT
SS310HT	100.0	3.000	50.00	200.0	3.000	0.850	SOD-123HT
SMD22LHE	20.0	2.000	40.00	1000.0	2.000	0.420	SOD-123HE
SMD22HE	20.0	2.000	40.00	500.0	2.000	0.500	SOD-123HE
SMD23HE	30.0	2.000	40.00	500.0	2.000	0.500	SOD-123HE
SMD24HE	40.0	2.000	40.00	500.0	2.000	0.500	SOD-123HE
SMD25HE	50.0	2.000	40.00	500.0	2.000	0.700	SOD-123HE
SMD26HE	60.0	2.000	40.00	500.0	2.000	0.700	SOD-123HE
SMD28HE	80.0	2.000	40.00	500.0	2.000	0.850	SOD-123HE
SMD210HE	100.0	2.000	40.00	500.0	2.000	0.850	SOD-123HE
SMD215HE	150.0	2.000	40.00	500.0	2.000	0.900	SOD-123HE
SMD220HE	200.0	2.000	40.00	500.0	2.000	0.900	SOD-123HE
SMD24LHE	40.0	2.000	50.00	500.0	2.000	0.470	SOD-123HE
SMD26LHE	60.0	2.000	50.00	500.0	2.000	0.550	SOD-123HE
SMD210LHE	100.0	2.000	50.00	500.0	2.000	0.720	SOD-123HE
SS32HE	20.0	3.000	65.00	500.0	3.000	0.500	SOD-123HE
SS33HE	30.0	3.000	65.00	500.0	3.000	0.500	SOD-123HE
SS34HE	40.0	3.000	65.00	500.0	3.000	0.500	SOD-123HE
SS35HE	50.0	3.000	65.00	500.0	3.000	0.700	SOD-123HE
SS36HE	60.0	3.000	65.00	500.0	3.000	0.700	SOD-123HE
SS38HE	80.0	3.000	65.00	500.0	3.000	0.850	SOD-123HE
SS310HE	100.0	3.000	65.00	500.0	3.000	0.850	SOD-123HE



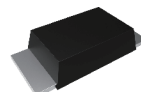
SOD-123



SOD-123FL



SOD-123HT



SOD-123HE

## SCHOTTKY BARRIER RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
SS315HE	150.0	3.000	65.00	500.0	3.000	0.900	SOD-123HE
SS320HE	200.0	3.000	65.00	500.0	3.000	0.900	SOD-123HE
SS34LHE	40.0	3.000	60.00	500.0	3.000	0.450	SOD-123HE
SS36LHE	60.0	3.000	60.00	500.0	3.000	0.500	SOD-123HE
SS310LHE	100.0	3.000	60.00	500.0	3.000	0.600	SOD-123HE
RB500V-40	40.0	0.100	1.00	1.0	0.010	0.450	SOD-323
RB501V-40	40.0	0.100	1.00	30.0	0.010	0.340	SOD-323
RB751V-40	40.0	0.030	0.20	0.5	0.001	0.370	SOD-323
BAT42WS	30.0	0.200	4.00	0.5	0.200	1.000	SOD-323
BAT43WS	30.0	0.200	4.00	0.5	0.200	1.000	SOD-323
RB551V-30	30.0	0.500	2.00	100.0	0.500	0.470	SOD-323
B5817WS	20.0	1.000	10.00	1000.0	1.000	0.450	SOD-323
B5818WS	30.0	1.000	10.00	1000.0	1.000	0.550	SOD-323
B5819WS	40.0	1.000	10.00	1000.0	1.000	0.600	SOD-323
BSR106WS	60.0	1.000	10.00	100.0	1.000	0.700	SOD-323
SMD22WS	20.0	2.000	9.00	100.0	2.000	0.550	SOD-323
RB751S-40	40.0	0.030	0.20	0.5	0.001	0.370	SOD-523
RB520S-30	30.0	0.200	1.00	1.0	0.200	0.600	SOD-523
RB520S-40	40.0	0.200	1.00	1.0	0.100	0.550	SOD-523
RB521S-30	30.0	0.200	1.00	30.0	0.200	0.500	SOD-523
BAT43X	30.0	0.200	4.00	0.5	0.200	1.000	SOD-523
B0520WTL	20.0	0.500	5.50	250.0	0.500	0.385	SOD-523
RB751G-40	40.0	0.030	0.20	0.5	0.001	0.370	SOD-723
RB520G-30	30.0	0.100	0.50	0.5	0.010	0.450	SOD-723
RB521G-30	30.0	0.100	1.00	10.0	0.010	0.350	SOD-723
RB751S-40LP	40.0	0.030	0.15	0.5	0.001	0.370	SOD-882
RB520S-30LP	30.0	0.100	0.50	0.5	0.010	0.450	SOD-882
RB521S-30LP	30.0	0.100	1.00	10.0	0.010	0.350	SOD-882
BAT54LP	30.0	0.200	0.60	2.0	0.030	0.500	SOD-882
RB520CS-30	30.0	0.100	0.50	0.5	0.010	0.450	SOD-923
RB521CS-30	30.0	0.100	0.50	0.5	0.010	0.350	SOD-923
RB751CS-40	40.0	0.030	0.20	0.5	0.001	0.370	SOD-923
BAT54L	30.0	0.200	0.60	2.0	0.030	0.500	DFN1006-2
B5819XP	40.0	1.000	5.00	50.0	0.700	0.550	FBP-02L
SS12-L	20.0	1.000	30.00	500.0	1.000	0.500	SMA
SS13-L	30.0	1.000	30.00	500.0	1.000	0.500	SMA
SS14-L	40.0	1.000	30.00	500.0	1.000	0.500	SMA
SS15-L	50.0	1.000	30.00	500.0	1.000	0.700	SMA
SS16-L	60.0	1.000	30.00	500.0	1.000	0.700	SMA
SS18-L	80.0	1.000	30.00	500.0	1.000	0.850	SMA
SS110-L	100.0	1.000	30.00	500.0	1.000	0.850	SMA
SS1150-L	150.0	1.000	30.00	50.0	1.000	0.900	SMA
SS1200-L	200.0	1.000	30.00	50.0	1.000	0.920	SMA
SS22-L	20.0	2.000	50.00	500.0	2.000	0.550	SMA
SS23-L	30.0	2.000	50.00	500.0	2.000	0.550	SMA



SOD-123HE



SOD-323



SOD-523



SOD-723



SOD-882



DFN1006-2



FBP-02L



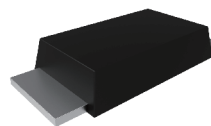
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## SCHOTTKY BARRIER RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
SS24-L	40.0	2.000	50.00	500.0	2.000	0.550	SMA
SS25-L	50.0	2.000	50.00	500.0	2.000	0.700	SMA
SS26-L	60.0	2.000	50.00	500.0	2.000	0.700	SMA
SS28-L	80.0	2.000	50.00	500.0	2.000	0.850	SMA
SS210-L	100.0	2.000	50.00	500.0	2.000	0.850	SMA
SS2150-L	150.0	2.000	50.00	500.0	2.000	0.900	SMA
SS220-L	200.0	2.000	50.00	500.0	2.000	0.900	SMA
SK225L	25.0	2.000	50.00	500.0	2.000	0.550	SMA
SK32A-L	20.0	3.000	80.00	500.0	3.000	0.500	SMA
SK33A-L	30.0	3.000	80.00	500.0	3.000	0.500	SMA
SK34A-L	40.0	3.000	80.00	500.0	3.000	0.500	SMA
SK35A-L	50.0	3.000	80.00	500.0	3.000	0.750	SMA
SK36A-L	60.0	3.000	80.00	500.0	3.000	0.750	SMA
SK38A-L	80.0	3.000	80.00	500.0	3.000	0.850	SMA
SK310A-L	100.0	3.000	80.00	500.0	3.000	0.850	SMA
SK3150A-L	150.0	3.000	80.00	200.0	3.000	0.900	SMA
SK52A-L	20.0	5.000	100.00	1000.0	5.000	0.550	SMA
SK53A-L	30.0	5.000	100.00	1000.0	5.000	0.550	SMA
SK54A-L	40.0	5.000	100.00	1000.0	5.000	0.550	SMA
SK55A-L	50.0	5.000	100.00	1000.0	5.000	0.750	SMA
SK56A-L	60.0	5.000	100.00	1000.0	5.000	0.750	SMA
SK58A-L	80.0	5.000	100.00	1000.0	5.000	0.850	SMA
SK510A-L	100.0	5.000	100.00	1000.0	5.000	0.850	SMA
SS12FL	20.0	1.000	30.00	500.0	1.000	0.500	DO-221AC
SS13FL	30.0	1.000	30.00	500.0	1.000	0.500	DO-221AC
SS14FL	40.0	1.000	30.00	500.0	1.000	0.500	DO-221AC
SS15FL	50.0	1.000	30.00	500.0	1.000	0.700	DO-221AC
SS16FL	60.0	1.000	30.00	500.0	1.000	0.700	DO-221AC
SS18FL	80.0	1.000	30.00	500.0	1.000	0.850	DO-221AC
SS110FL	100.0	1.000	30.00	500.0	1.000	0.850	DO-221AC
SK32AFL	20.0	3.000	80.00	500.0	3.000	0.500	DO-221AC
SK33AFL	30.0	3.000	80.00	500.0	3.000	0.500	DO-221AC
SK34AFL	40.0	3.000	80.00	500.0	3.000	0.500	DO-221AC
SK35AFL	50.0	3.000	80.00	500.0	3.000	0.750	DO-221AC
SK36AFL	60.0	3.000	80.00	500.0	3.000	0.750	DO-221AC
SK38AFL	80.0	3.000	80.00	500.0	3.000	0.850	DO-221AC
SK310AFL	100.0	3.000	80.00	500.0	3.000	0.850	DO-221AC
SK52AFL	20.0	5.000	100.00	500.0	5.000	0.550	DO-221AC
SK53AFL	30.0	5.000	100.00	500.0	5.000	0.550	DO-221AC
SK54AFL	40.0	5.000	100.00	500.0	5.000	0.550	DO-221AC
SK55AFL	50.0	5.000	100.00	500.0	5.000	0.700	DO-221AC
SK56AFL	60.0	5.000	100.00	500.0	5.000	0.700	DO-221AC
SK58AFL	80.0	5.000	100.00	500.0	5.000	0.850	DO-221AC
SK510AFL	100.0	5.000	100.00	200.0	5.000	0.850	DO-221AC
SK5150AFL	150.0	5.000	100.00	200.0	5.000	0.870	DO-221AC



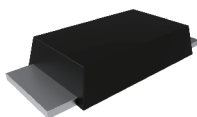
SMA



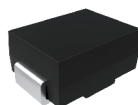
DO-221AC

## SCHOTTKY BARRIER RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ V <sub>RWM</sub>	Maximum Forward Voltage		Package
	V <sub>RWM</sub>	I <sub>o</sub> @ T <sub>L</sub>	I <sub>FSM</sub>	I <sub>R</sub>	I <sub>FM</sub>	V <sub>FM</sub>	
	V	A	A	μA	A	V	
SK5200AFL	200.0	5.000	100.00	200.0	5.000	0.900	DO-221AC
SK1150-L	150.0	1.000	30.00	50.0	1.000	0.900	SMB
SK1200-L	200.0	1.000	30.00	50.0	1.000	0.920	SMB
SK110-L	100.0	1.000	30.00	500.0	1.000	0.850	SMB
SK12-L	20.0	1.000	30.00	500.0	1.000	0.500	SMB
SK13-L	30.0	1.000	30.00	500.0	1.000	0.500	SMB
SK14-L	40.0	1.000	30.00	500.0	1.000	0.500	SMB
SK15-L	50.0	1.000	30.00	500.0	1.000	0.720	SMB
SK16-L	60.0	1.000	30.00	500.0	1.000	0.720	SMB
SK18-L	80.0	1.000	30.00	500.0	1.000	0.850	SMB
SK22-L	20.0	2.000	50.00	2000.0	2.000	0.500	SMB
SK23-L	30.0	2.000	50.00	2000.0	2.000	0.500	SMB
SK24-L	40.0	2.000	50.00	2000.0	2.000	0.500	SMB
SK25-L	50.0	2.000	50.00	1000.0	2.000	0.700	SMB
SK26-L	60.0	2.000	50.00	1000.0	2.000	0.700	SMB
SK28-L	80.0	2.000	50.00	1000.0	2.000	0.850	SMB
SK210-L	100.0	2.000	50.00	1000.0	2.000	0.850	SMB
SK2150-L	150.0	2.000	50.00	500.0	2.000	0.900	SMB
SK220-L	200.0	2.000	50.00	500.0	2.000	0.900	SMB
SK32B-L	20.0	3.000	100.00	500.0	3.000	0.500	SMB
SK33B-L	30.0	3.000	100.00	500.0	3.000	0.500	SMB
SK34B-L	40.0	3.000	100.00	500.0	3.000	0.500	SMB
SK35B-L	50.0	3.000	100.00	500.0	3.000	0.750	SMB
SK36B-L	60.0	3.000	100.00	500.0	3.000	0.750	SMB
SK38B-L	80.0	3.000	100.00	500.0	3.000	0.850	SMB
SK310B-L	100.0	3.000	100.00	500.0	3.000	0.850	SMB
SK3150B-L	150.0	3.000	80.00	200.0	3.000	0.860	SMB
SK3200B-L	200.0	3.000	100.00	500.0	3.000	0.860	SMB
SK42BL	20.0	4.000	100.00	500.0	4.000	0.450	SMB
SK43BL	30.0	4.000	100.00	500.0	4.000	0.450	SMB
SK44BL	40.0	4.000	100.00	500.0	4.000	0.450	SMB
SK52B-L	20.0	5.000	100.00	1000.0	5.000	0.550	SMB
SK53B-L	30.0	5.000	100.00	1000.0	5.000	0.550	SMB
SK54B-L	40.0	5.000	100.00	1000.0	5.000	0.550	SMB
SK55B-L	50.0	5.000	100.00	1000.0	5.000	0.750	SMB
SK56B-L	60.0	5.000	100.00	1000.0	5.000	0.750	SMB
SK58B-L	80.0	5.000	100.00	1000.0	5.000	0.850	SMB
SK510B-L	100.0	5.000	100.00	1000.0	5.000	0.850	SMB
SK5150B-L	150.0	5.000	100.00	1000.0	5.000	0.870	SMB
SK520B-L	200.0	5.000	100.00	1000.0	5.000	0.900	SMB
SK32	20.0	3.000	100.00	500.0	3.000	0.500	SMC
SK33	30.0	3.000	100.00	500.0	3.000	0.500	SMC
SK34	40.0	3.000	100.00	500.0	3.000	0.500	SMC
SK35	50.0	3.000	100.00	500.0	3.000	0.750	SMC
SK36	60.0	3.000	100.00	500.0	3.000	0.750	SMC



DO-221AC



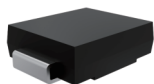
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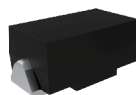
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## SCHOTTKY BARRIER RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
Sk38	80.0	3.000	100.00	500.0	3.000	0.850	SMC
SK310	100.0	3.000	100.00	500.0	3.000	0.850	SMC
SK3150	150.0	3.000	80.00	200.0	3.000	0.900	SMC
SK3200	200.0	3.000	100.00	500.0	3.000	0.860	SMC
SK42L	20.0	4.000	150.00	500.0	4.000	0.450	SMC
SK43L	30.0	4.000	150.00	500.0	4.000	0.450	SMC
SK44L	40.0	4.000	150.00	500.0	4.000	0.450	SMC
SK4200L	200.0	4.000	100.00	500.0	4.000	0.860	SMC
SK52L	20.0	5.000	100.00	1000.0	5.000	0.550	SMC
SK53L	30.0	5.000	100.00	1000.0	5.000	0.550	SMC
SK54L	40.0	5.000	100.00	1000.0	5.000	0.550	SMC
SK55L	50.0	5.000	100.00	1000.0	5.000	0.750	SMC
SK56L	60.0	5.000	100.00	1000.0	5.000	0.750	SMC
SK58L	80.0	5.000	100.00	1000.0	5.000	0.850	SMC
SK510L	100.0	5.000	100.00	1000.0	5.000	0.850	SMC
SK5150L	150.0	5.000	150.00	1000.0	5.000	0.870	SMC
SK5200L	200.0	5.000	150.00	1000.0	5.000	0.900	SMC
SK62L	20.0	6.000	150.00	1000.0	6.000	0.650	SMC
SK63L	30.0	6.000	150.00	1000.0	6.000	0.650	SMC
SK645L	45.0	6.000	150.00	1000.0	6.000	0.650	SMC
SK64L	40.0	6.000	150.00	1000.0	6.000	0.650	SMC
SK65L	50.0	6.000	150.00	1000.0	6.000	0.850	SMC
SK66L	60.0	6.000	150.00	1000.0	6.000	0.850	SMC
SK68L	80.0	6.000	150.00	1000.0	6.000	0.850	SMC
SK610L	100.0	6.000	150.00	1000.0	6.000	0.850	SMC
SK82L	20.0	8.000	200.00	1000.0	8.000	0.650	SMC
SK835L	35.0	8.000	200.00	1000.0	8.000	0.650	SMC
SK83L	30.0	8.000	200.00	1000.0	8.000	0.650	SMC
SK845L	45.0	8.000	200.00	1000.0	8.000	0.650	SMC
SK84L	40.0	8.000	200.00	1000.0	8.000	0.650	SMC
SK86L	60.0	8.000	200.00	1000.0	8.000	0.650	SMC
SK88L	80.0	8.000	200.00	1000.0	8.000	0.800	SMC
SK810L	100.0	8.000	200.00	1000.0	8.000	0.800	SMC
SK1045-L	45.0	10.000	250.00	500.0	10.000	0.550	SMC
SS12E	20.0	1.000	30.00	500.0	1.000	0.600	SMAE
SS13E	30.0	1.000	30.00	500.0	1.000	0.600	SMAE
SS14E	40.0	1.000	30.00	500.0	1.000	0.600	SMAE
SS15E	50.0	1.000	30.00	500.0	1.000	0.700	SMAE
SS16E	60.0	1.000	30.00	500.0	1.000	0.700	SMAE
SS18E	80.0	1.000	30.00	500.0	1.000	0.850	SMAE
SS110E	100.0	1.000	30.00	500.0	1.000	0.850	SMAE
MBR1030CT	30.0	10.000	125.00	100.0	5.000	0.700	TO-220AB
MBR1035CT	35.0	10.000	125.00	100.0	5.000	0.700	TO-220AB
MBR1040CT	40.0	10.000	125.00	100.0	5.000	0.700	TO-220AB
MBR1045CT	45.0	10.000	125.00	100.0	5.000	0.700	TO-220AB



SMC



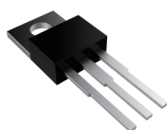
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TO-220AB

## SCHOTTKY BARRIER RECTIFIERS

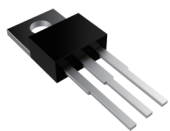
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
MBR1050CT	50.0	10.000	125.00	100.0	5.000	0.800	TO-220AB
MBR1060CT	60.0	10.000	125.00	100.0	5.000	0.800	TO-220AB
MBR1080CT	80.0	10.000	120.00	200.0	5.000	0.850	TO-220AB
MBR10100CT	100.0	10.000	120.00	200.0	5.000	0.850	TO-220AB
MBR10150CT	150.0	10.000	120.00	50.0	5.000	0.920	TO-220AB
MBR10200CT	200.0	10.000	150.00	100.0	10.000	0.950	TO-220AB
MBR1520CT	20.0	15.000	150.00	100.0	15.000	0.840	TO-220AB
MBR1530CT	30.0	15.000	150.00	100.0	15.000	0.840	TO-220AB
MBR1535CT	35.0	15.000	150.00	100.0	15.000	0.840	TO-220AB
MBR1540CT	40.0	15.000	150.00	100.0	15.000	0.840	TO-220AB
MBR1545CT	45.0	15.000	150.00	100.0	15.000	0.840	TO-220AB
MBR1560CT	60.0	15.000	150.00	1000.0	15.000	0.900	TO-220AB
MBR1580CT	80.0	15.000	150.00	1000.0	15.000	0.950	TO-220AB
MBR15100CT	100.0	15.000	150.00	1000.0	15.000	0.950	TO-220AB
MBR1620CT	20.0	16.000	125.00	100.0	8.000	0.700	TO-220AB
MBR1630CT	30.0	16.000	125.00	100.0	8.000	0.700	TO-220AB
MBR1635CT	35.0	16.000	125.00	100.0	8.000	0.700	TO-220AB
MBR1640CT	40.0	16.000	125.00	100.0	8.000	0.700	TO-220AB
MBR1645CT	45.0	16.000	125.00	100.0	8.000	0.700	TO-220AB
MBR1660CT	60.0	16.000	125.00	100.0	8.000	0.800	TO-220AB
MBR16100CT	100.0	16.000	125.00	100.0	8.000	0.850	TO-220AB
MBR2020CT	20.0	20.000	150.00	100.0	20.000	0.840	TO-220AB
MBR2030CT	30.0	20.000	150.00	100.0	20.000	0.840	TO-220AB
MBR2035CT	35.0	20.000	150.00	100.0	20.000	0.840	TO-220AB
MBR2040CT	40.0	20.000	150.00	100.0	20.000	0.840	TO-220AB
MBR2045CT	45.0	20.000	150.00	100.0	20.000	0.840	TO-220AB
MBR2060CT	60.0	20.000	150.00	150.0	20.000	0.950	TO-220AB
MBR2080CT	80.0	20.000	150.00	150.0	20.000	0.950	TO-220AB
MBR20100CT	100.0	20.000	150.00	150.0	20.000	0.950	TO-220AB
MBR20150CT	150.0	20.000	150.00	25.0	10.000	0.920	TO-220AB
MBR20200CT	200.0	20.000	150.00	50.0	10.000	0.950	TO-220AB
MBR2520CT	20.0	25.000	150.00	200.0	25.000	0.820	TO-220AB
MBR2530CT	30.0	25.000	150.00	200.0	25.000	0.820	TO-220AB
MBR2535CT	35.0	25.000	150.00	200.0	25.000	0.820	TO-220AB
MBR2540CT	40.0	25.000	150.00	200.0	25.000	0.820	TO-220AB
MBR2545CT	45.0	25.000	150.00	1000.0	15.000	0.750	TO-220AB
MBR2560CT	60.0	25.000	150.00	1000.0	15.000	0.750	TO-220AB
MBR30100CT	100.0	30.000	250.00	500.0	15.000	0.850	TO-220AB
MBR30150CT	150.0	30.000	200.00	100.0	15.000	0.900	TO-220AB
MBR30200CT	200.0	30.000	200.00	100.0	15.000	0.950	TO-220AB
MBR3030CT	30.0	30.000	200.00	200.0	30.000	0.840	TO-220AB
MBR3035CT	35.0	30.000	200.00	200.0	30.000	0.840	TO-220AB
MBR3040CT	40.0	30.000	200.00	200.0	30.000	0.840	TO-220AB
MBR3045CT	45.0	30.000	200.00	200.0	30.000	0.840	TO-220AB
MBR3050CT	50.0	30.000	200.00	200.0	30.000	0.950	TO-220AB



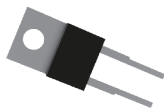
TO-220AB

## SCHOTTKY BARRIER RECTIFIERS

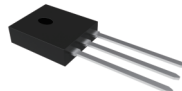
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
MBR3060CT	60.0	30.000	200.00	200.0	30.000	0.950	TO-220AB
MBR545	45.0	5.000	150.00	100.0	5.000	0.600	TO-220AC
MBR720	20.0	7.500	150.00	100.0	15.000	0.840	TO-220AC
MBR730	30.0	7.500	150.00	100.0	15.000	0.840	TO-220AC
MBR735	35.0	7.500	150.00	100.0	15.000	0.840	TO-220AC
MBR740	40.0	7.500	150.00	100.0	15.000	0.840	TO-220AC
MBR745	45.0	7.500	150.00	100.0	15.000	0.840	TO-220AC
MBR760	60.0	7.500	150.00	500.0	7.500	0.750	TO-220AC
MBR870	70.0	8.000	125.00	150.0	8.000	0.850	TO-220AC
MBR880	80.0	8.000	125.00	150.0	8.000	0.850	TO-220AC
MBR890	90.0	8.000	125.00	150.0	8.000	0.850	TO-220AC
MBR8100	100.0	8.000	125.00	150.0	8.000	0.850	TO-220AC
MBR1020	20.0	10.000	150.00	100.0	20.000	0.840	TO-220AC
MBR1030	30.0	10.000	150.00	100.0	20.000	0.840	TO-220AC
MBR1035	35.0	10.000	150.00	100.0	20.000	0.840	TO-220AC
MBR1040	40.0	10.000	150.00	100.0	20.000	0.840	TO-220AC
MBR1045	45.0	10.000	150.00	100.0	20.000	0.840	TO-220AC
MBR1060	60.0	10.000	150.00	150.0	20.000	0.950	TO-220AC
MBR1080	80.0	10.000	150.00	150.0	10.000	0.840	TO-220AC
MBR10100	100.0	10.000	150.00	150.0	10.000	0.840	TO-220AC
MBR10150	150.0	10.000	150.00	500.0	10.000	0.900	TO-220AC
MBR1520	20.0	15.000	150.00	200.0	15.000	0.630	TO-220AC
MBR1530	30.0	15.000	150.00	200.0	15.000	0.630	TO-220AC
MBR1535	35.0	15.000	150.00	200.0	15.000	0.630	TO-220AC
MBR1540	40.0	15.000	150.00	200.0	15.000	0.630	TO-220AC
MBR1545	45.0	15.000	150.00	200.0	15.000	0.630	TO-220AC
MBR1560	60.0	15.000	150.00	200.0	15.000	0.750	TO-220AC
MBR1580	80.0	15.000	150.00	200.0	15.000	0.840	TO-220AC
MBR15100	100.0	15.000	150.00	200.0	15.000	0.840	TO-220AC
MBR1620	20.0	16.000	150.00	200.0	16.000	0.630	TO-220AC
MBR1630	30.0	16.000	150.00	200.0	16.000	0.630	TO-220AC
MBR1635	35.0	16.000	150.00	200.0	16.000	0.630	TO-220AC
MBR1640	40.0	16.000	150.00	200.0	16.000	0.630	TO-220AC
MBR1645	45.0	16.000	150.00	200.0	16.000	0.630	TO-220AC
MBR1660	60.0	16.000	150.00	1000.0	16.000	0.750	TO-220AC
MBR10U45L	45.0	10.000	275.00	500.0	10.000	0.470	TO-277
MBR10U60	60.0	10.000	275.00	500.0	10.000	0.500	TO-277
MBR12U100L	100.0	12.000	180.00	500.0	12.000	0.600	TO-277
MBR15U60	60.0	15.000	300.00	500.0	15.000	0.500	TO-277
MBR510LPS	100.0	5.000	200.00	100.0	5.000	0.720	TO-277B
MBR860ULPS	60.0	8.000	275.00	600.0	8.000	0.430	TO-277B
MBR10100ULPS	100.0	10.000	200.00	500.0	10.000	0.700	TO-277B
MBR10200UPS	200.0	10.000	180.00	100.0	10.000	0.880	TO-277B
MBR1045LPS	45.0	10.000	275.00	500.0	10.000	0.470	TO-277B
MBR1045ULPS	45.0	10.000	275.00	250.0	10.000	0.430	TO-277B



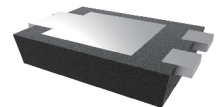
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TO-220AC



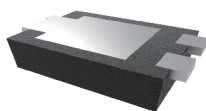
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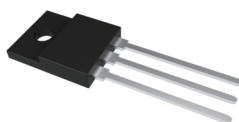
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## SCHOTTKY BARRIER RECTIFIERS

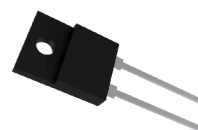
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
MBR12100LPS	100.0	12.000	250.00	250.0	12.000	0.800	TO-277B
MBR1550LPS	50.0	15.000	260.00	500.0	15.000	0.550	TO-277B
MBR1550ULPS	50.0	15.000	320.00	300.0	15.000	0.470	TO-277B
MBR1020FCT	20.0	10.000	120.00	100.0	5.000	0.700	ITO-220AB
MBR1030FCT	30.0	10.000	120.00	100.0	5.000	0.700	ITO-220AB
MBR1040FCT	40.0	10.000	120.00	100.0	5.000	0.700	ITO-220AB
MBR1045FCT	45.0	10.000	120.00	100.0	5.000	0.700	ITO-220AB
MBR1050FCT	50.0	10.000	120.00	100.0	5.000	0.750	ITO-220AB
MBR1060FCT	60.0	10.000	120.00	100.0	5.000	0.750	ITO-220AB
MBR1080FCT	80.0	10.000	120.00	100.0	5.000	0.850	ITO-220AB
MBR10100FCT	100.0	10.000	120.00	100.0	5.000	0.850	ITO-220AB
MBR10150FCT	150.0	10.000	120.00	50.0	5.000	0.920	ITO-220AB
MBR10200FCT	200.0	10.000	125.00	500.0	5.000	0.920	ITO-220AB
MBR1620FCT	20.0	16.000	150.00	500.0	8.000	0.550	ITO-220AB
MBR1630FCT	30.0	16.000	150.00	500.0	8.000	0.550	ITO-220AB
MBR1640FCT	40.0	16.000	150.00	500.0	8.000	0.550	ITO-220AB
MBR1650FCT	50.0	16.000	150.00	500.0	8.000	0.750	ITO-220AB
MBR1660FCT	60.0	16.000	150.00	500.0	8.000	0.750	ITO-220AB
MBR1680FCT	80.0	16.000	150.00	500.0	8.000	0.850	ITO-220AB
MBR16100FCT	100.0	16.000	150.00	500.0	8.000	0.850	ITO-220AB
MBR2020FCT	20.0	20.000	150.00	100.0	10.000	0.700	ITO-220AB
MBR2030FCT	30.0	20.000	150.00	100.0	10.000	0.700	ITO-220AB
MBR2040FCT	40.0	20.000	150.00	100.0	10.000	0.700	ITO-220AB
MBR2045FCT	45.0	20.000	150.00	100.0	10.000	0.700	ITO-220AB
MBR2050FCT	50.0	20.000	150.00	150.0	10.000	0.800	ITO-220AB
MBR2060FCT	60.0	20.000	150.00	50.0	10.000	0.800	ITO-220AB
MBR2080FCT	80.0	20.000	150.00	50.0	10.000	0.850	ITO-220AB
MBR20100FCT	100.0	20.000	150.00	50.0	10.000	0.850	ITO-220AB
MBR20150FCT	150.0	20.000	150.00	25.0	10.000	0.920	ITO-220AB
MBR20200FCT	200.0	20.000	150.00	50.0	10.000	0.950	ITO-220AB
MBR2535FCT	35.0	30.000	150.00	200.0	30.000	0.820	ITO-220AB
MBR2545FCT	45.0	30.000	150.00	200.0	30.000	0.820	ITO-220AB
MBR2550FCT	50.0	30.000	150.00	1000.0	15.000	0.750	ITO-220AB
MBR2560FCT	60.0	30.000	150.00	1000.0	15.000	0.750	ITO-220AB
MBR3020FCT	20.0	30.000	250.00	500.0	15.000	0.600	ITO-220AB
MBR3030FCT	30.0	30.000	250.00	500.0	15.000	0.600	ITO-220AB
MBR3040FCT	40.0	30.000	250.00	500.0	15.000	0.600	ITO-220AB
MBR3045FCT	45.0	30.000	250.00	500.0	15.000	0.600	ITO-220AB
MBR3060FCT	60.0	30.000	250.00	500.0	15.000	0.850	ITO-220AB
MBR3080FCT	80.0	30.000	250.00	500.0	15.000	0.850	ITO-220AB
MBR30100FCT	100.0	30.000	250.00	500.0	15.000	0.850	ITO-220AB
MBR30150FCT	150.0	30.000	260.00	5.0	15.000	0.900	ITO-220AB
MBR545F	45.0	5.000	80.00	1000.0	5.000	0.550	ITO-220AC
MBR1020F	20.0	10.000	150.00	500.0	10.000	0.550	ITO-220AC
MBR1030F	30.0	10.000	150.00	500.0	10.000	0.550	ITO-220AC



TO-277B



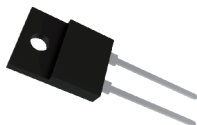
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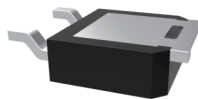
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## SCHOTTKY BARRIER RECTIFIERS

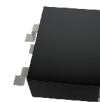
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
MBR1040F	40.0	10.000	150.00	500.0	10.000	0.550	ITO-220AC
MBR1050F	50.0	10.000	150.00	500.0	10.000	0.750	ITO-220AC
MBR1060F	60.0	10.000	150.00	500.0	10.000	0.750	ITO-220AC
MBR1080F	80.0	10.000	150.00	500.0	10.000	0.850	ITO-220AC
MBR1090F	90.0	10.000	150.00	500.0	10.000	0.850	ITO-220AC
MBR10100F	100.0	10.000	150.00	500.0	10.000	0.850	ITO-220AC
MBRD6100CT	100.0	6.000	78.00	200.0	3.000	0.740	D-PAK
MBRD1020CT	20.0	10.000	150.00	500.0	5.000	0.650	D-PAK
MBRD1030CT	30.0	10.000	150.00	500.0	5.000	0.650	D-PAK
MBRD1045CT	45.0	10.000	150.00	500.0	5.000	0.650	D-PAK
MBRD1050CT	50.0	10.000	150.00	500.0	5.000	0.750	D-PAK
MBRD1060CT	60.0	10.000	150.00	500.0	5.000	0.750	D-PAK
MBRD1080CT	80.0	10.000	150.00	500.0	5.000	0.800	D-PAK
MBRD10100CT	100.0	10.000	150.00	500.0	5.000	0.850	D-PAK
MBRD10150CT	150.0	10.000	100.00	100.0	5.000	0.940	D-PAK
MBRD1220CT	20.0	12.000	150.00	500.0	6.000	0.470	D-PAK
MBRD1230CT	30.0	12.000	150.00	500.0	6.000	0.470	D-PAK
MBRD1245CT	45.0	12.000	150.00	500.0	6.000	0.470	D-PAK
MBRB820	20.0	8.000	150.00	500.0	8.000	0.550	D <sup>2</sup> -PAK
MBRB830	30.0	8.000	150.00	500.0	8.000	0.550	D <sup>2</sup> -PAK
MBRB840	40.0	8.000	150.00	500.0	8.000	0.550	D <sup>2</sup> -PAK
MBRB850	50.0	8.000	150.00	500.0	8.000	0.750	D <sup>2</sup> -PAK
MBRB860	60.0	8.000	150.00	500.0	8.000	0.750	D <sup>2</sup> -PAK
MBRB880	80.0	8.000	150.00	500.0	8.000	0.850	D <sup>2</sup> -PAK
MBRB8100	100.0	8.000	150.00	500.0	8.000	0.850	D <sup>2</sup> -PAK
MBRB1020	20.0	10.000	150.00	500.0	10.000	0.600	D <sup>2</sup> -PAK
MBRB1030	30.0	10.000	150.00	500.0	10.000	0.600	D <sup>2</sup> -PAK
MBRB1035	35.0	10.000	150.00	500.0	10.000	0.600	D <sup>2</sup> -PAK
MBRB1040	40.0	10.000	150.00	500.0	10.000	0.600	D <sup>2</sup> -PAK
MBRB1050	50.0	10.000	150.00	500.0	10.000	0.750	D <sup>2</sup> -PAK
MBRB1060	60.0	10.000	150.00	500.0	10.000	0.750	D <sup>2</sup> -PAK
MBRB1080	80.0	10.000	150.00	500.0	10.000	0.850	D <sup>2</sup> -PAK
MBRB10100	100.0	10.000	150.00	500.0	10.000	0.850	D <sup>2</sup> -PAK
MBRB10150	150.0	10.000	150.00	500.0	10.000	0.900	D <sup>2</sup> -PAK
MBRB10200	200.0	10.000	150.00	500.0	10.000	0.950	D <sup>2</sup> -PAK
MBRB1030CT	30.0	10.000	125.00	500.0	5.000	0.550	D <sup>2</sup> -PAK
MBRB1035CT	35.0	10.000	125.00	500.0	5.000	0.550	D <sup>2</sup> -PAK
MBRB1040CT	40.0	10.000	125.00	500.0	5.000	0.550	D <sup>2</sup> -PAK
MBRB1045CT	45.0	10.000	125.00	500.0	5.000	0.550	D <sup>2</sup> -PAK
MBRB1050CT	50.0	10.000	125.00	500.0	5.000	0.550	D <sup>2</sup> -PAK
MBRB1060CT	60.0	10.000	125.00	500.0	5.000	0.550	D <sup>2</sup> -PAK
MBRB10100CT	100.0	10.000	150.00	100.0	5.000	0.850	D <sup>2</sup> -PAK
MBRB10200CT	200.0	10.000	150.00	50.0	5.000	0.980	D <sup>2</sup> -PAK
MBRB1520CT	20.0	15.000	150.00	100.0	15.000	0.840	D <sup>2</sup> -PAK
MBRB1530CT	30.0	15.000	150.00	100.0	15.000	0.840	D <sup>2</sup> -PAK



ITO-220AC



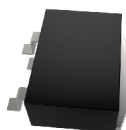
D-PAK



D<sup>2</sup>-PAK

## SCHOTTKY BARRIER RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
MBRB1535CT	35.0	15.000	150.00	100.0	15.000	0.840	D <sup>2</sup> -PAK
MBRB1540CT	40.0	15.000	150.00	100.0	15.000	0.840	D <sup>2</sup> -PAK
MBRB1545CT	45.0	15.000	150.00	100.0	15.000	0.840	D <sup>2</sup> -PAK
MBRB1560CT	60.0	15.000	150.00	1000.0	16.000	0.750	D <sup>2</sup> -PAK
MBRB1580CT	80.0	15.000	150.00	1000.0	16.000	0.920	D <sup>2</sup> -PAK
MBRB15100CT	100.0	15.000	150.00	1000.0	16.000	0.920	D <sup>2</sup> -PAK
MBRB1620CT	20.0	16.000	150.00	100.0	8.000	0.700	D <sup>2</sup> -PAK
MBRB1630CT	30.0	16.000	150.00	100.0	8.000	0.700	D <sup>2</sup> -PAK
MBRB1635CT	35.0	16.000	150.00	100.0	8.000	0.700	D <sup>2</sup> -PAK
MBRB1640CT	40.0	16.000	150.00	100.0	8.000	0.700	D <sup>2</sup> -PAK
MBRB1645CT	45.0	16.000	150.00	100.0	8.000	0.700	D <sup>2</sup> -PAK
MBRB1660CT	60.0	16.000	150.00	100.0	8.000	0.800	D <sup>2</sup> -PAK
MBRB2020CT	20.0	20.000	150.00	100.0	20.000	0.840	D <sup>2</sup> -PAK
MBRB2030CT	30.0	20.000	150.00	100.0	20.000	0.840	D <sup>2</sup> -PAK
MBRB2035CT	35.0	20.000	150.00	100.0	20.000	0.840	D <sup>2</sup> -PAK
MBRB2040CT	40.0	20.000	150.00	100.0	20.000	0.840	D <sup>2</sup> -PAK
MBRB2045CT	45.0	20.000	150.00	100.0	20.000	0.840	D <sup>2</sup> -PAK
MBRB2060CT	60.0	20.000	150.00	150.0	10.000	0.800	D <sup>2</sup> -PAK
MBRB2080CT	80.0	20.000	150.00	150.0	10.000	0.850	D <sup>2</sup> -PAK
MBRB20100CT	100.0	20.000	150.00	150.0	10.000	0.850	D <sup>2</sup> -PAK
MBRB20200CT	200.0	20.000	150.00	50.0	10.000	0.950	D <sup>2</sup> -PAK
MBRB2520CT	20.0	30.000	150.00	200.0	30.000	0.820	D <sup>2</sup> -PAK
MBRB2530CT	30.0	30.000	150.00	200.0	30.000	0.820	D <sup>2</sup> -PAK
MBRB2535CT	35.0	30.000	150.00	200.0	30.000	0.820	D <sup>2</sup> -PAK
MBRB2540CT	40.0	30.000	150.00	200.0	30.000	0.820	D <sup>2</sup> -PAK
MBRB2545CT	45.0	30.000	150.00	200.0	15.000	0.750	D <sup>2</sup> -PAK
MBRB2560CT	60.0	30.000	150.00	200.0	15.000	0.750	D <sup>2</sup> -PAK
MBRB3030CT	30.0	30.000	250.00	1000.0	15.000	0.550	D <sup>2</sup> -PAK
MBRB3040CT	40.0	30.000	250.00	1000.0	15.000	0.550	D <sup>2</sup> -PAK
MBRB3045CT	45.0	30.000	250.00	1000.0	15.000	0.550	D <sup>2</sup> -PAK
MBRB3060CT	60.0	30.000	250.00	1000.0	15.000	0.720	D <sup>2</sup> -PAK
MBRB30100CT	100.0	30.000	250.00	500.0	15.000	0.850	D <sup>2</sup> -PAK



D<sup>2</sup>-PAK

## BRIDGE RECTIFIERS

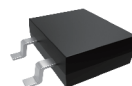
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
MB05M	50	0.5	35	5	0.4	1.00	MB-1
MB1M	100	0.5	35	5	0.4	1.00	MB-1
MB2M	200	0.5	35	5	0.4	1.00	MB-1
MB4M	400	0.5	35	5	0.4	1.00	MB-1
MB6M	600	0.5	35	5	0.4	1.00	MB-1
MB8M	800	0.5	35	5	0.4	1.00	MB-1
MB10M	1000	0.5	35	5	0.4	1.00	MB-1
MB12M	20	1.0	30	500	1.0	0.50	MB-1
MB14M	40	1.0	30	500	1.0	0.50	MB-1
MB16M	60	1.0	30	500	1.0	0.70	MB-1
MB18M	80	1.0	30	500	1.0	0.85	MB-1
MB110M	100	1.0	30	500	1.0	0.85	MB-1
MB05S	50	0.5	35	5	0.4	1.00	MBS-1
MB1S	100	0.5	35	5	0.4	1.00	MBS-1
MB2S	200	0.5	35	5	0.4	1.00	MBS-1
MB4S	400	0.5	35	5	0.4	1.00	MBS-1
MB6S	600	0.5	35	5	0.4	1.00	MBS-1
MB8S	800	0.5	35	5	0.4	1.00	MBS-1
MB10S	1000	0.5	35	5	0.4	1.00	MBS-1
RMB2S	200	0.5	30	5	0.4	1.25	MBS-1
RMB4S	400	0.5	30	5	0.4	1.25	MBS-1
RMB6S	600	0.5	30	5	0.4	1.25	MBS-1
MB12S	20	1.0	30	500	1.0	0.50	MBS-1
MB14S	40	1.0	30	500	1.0	0.50	MBS-1
MB16S	60	1.0	30	500	1.0	0.70	MBS-1
MB18S	80	1.0	30	500	1.0	0.85	MBS-1
MB110S	100	1.0	30	500	1.0	0.85	MBS-1
MB22S	20	2.0	50	500	2.0	0.50	MBS-1
MB24S	40	2.0	50	500	2.0	0.50	MBS-1
MB26S	60	2.0	50	500	2.0	0.70	MBS-1
MB28S	80	2.0	50	500	2.0	0.85	MBS-1
MB210S	100	2.0	50	500	2.0	0.85	MBS-1
S2B40	40	2.0	30	50	2.0	0.55	MBS-1
MBL1S	100	0.5	35	10	0.4	1.00	MBLS-1
MBL2S	200	0.5	35	10	0.4	1.00	MBLS-1
MBL4S	400	0.5	35	10	0.4	1.00	MBLS-1
MBL6S	600	0.5	35	10	0.4	1.00	MBLS-1
MBL8S	800	0.5	35	10	0.4	1.00	MBLS-1
MBL10S	1000	0.5	35	10	0.4	1.00	MBLS-1
LMB2S	200	1.0	30	5	0.4	0.95	LMBS-1
LMB4S	400	1.0	30	5	0.4	0.95	LMBS-1
LMB6S	600	1.0	30	5	0.4	0.95	LMBS-1
LMB8S	800	1.0	30	5	0.4	0.95	LMBS-1
LMB10S	1000	1.0	30	5	0.4	0.95	LMBS-1
SLMB2S	200	1.0	30	10	0.5	0.95	LMBS-1



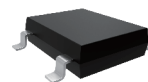
MB-1



MBS-1



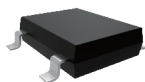
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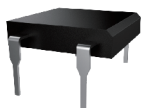
LMBS-1

## BRIDGE RECTIFIERS

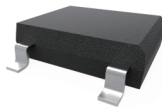
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
SLMB4S	400	1.0	30	10	0.5	1.30	LMBS-1
SLMB6S	600	1.0	30	10	0.5	1.70	LMBS-1
DB101	50	1.0	30	10	1.0	1.10	DB-1
DB102	100	1.0	30	10	1.0	1.10	DB-1
DB103	200	1.0	30	10	1.0	1.10	DB-1
DB104	400	1.0	30	10	1.0	1.10	DB-1
DB105	600	1.0	30	10	1.0	1.10	DB-1
DB106	800	1.0	30	10	1.0	1.10	DB-1
DB107	1000	1.0	30	10	1.0	1.10	DB-1
DB151	50	1.5	50	10	1.5	1.10	DB-1
DB152	100	1.5	50	10	1.5	1.10	DB-1
DB153	200	1.5	50	10	1.5	1.10	DB-1
DB154	400	1.5	50	10	1.5	1.10	DB-1
DB155	600	1.5	50	10	1.5	1.10	DB-1
DB156	800	1.5	50	10	1.5	1.10	DB-1
DB157	1000	1.5	50	10	1.5	1.10	DB-1
DB201	50	2.0	60	10	2.0	1.10	DB-1
DB202	100	2.0	60	10	2.0	1.10	DB-1
DB203	200	2.0	60	10	2.0	1.10	DB-1
DB204	400	2.0	60	10	2.0	1.10	DB-1
DB205	600	2.0	60	10	2.0	1.10	DB-1
DB206	800	2.0	60	10	2.0	1.10	DB-1
DB207	1000	2.0	60	10	2.0	1.10	DB-1
SDB101	50	1.0	30	10	1.0	1.10	SDB-1
SDB102	100	1.0	30	10	1.0	1.10	SDB-1
SDB103	200	1.0	30	10	1.0	1.10	SDB-1
SDB104	400	1.0	30	10	1.0	1.10	SDB-1
SDB105	600	1.0	30	10	1.0	1.10	SDB-1
SDB106	800	1.0	30	10	1.0	1.10	SDB-1
SDB107	1000	1.0	30	10	1.0	1.10	SDB-1
SDB151	50	1.5	50	10	1.5	1.10	SDB-1
SDB152	100	1.5	50	10	1.5	1.10	SDB-1
SDB153	200	1.5	50	10	1.5	1.10	SDB-1
SDB154	400	1.5	50	10	1.5	1.10	SDB-1
SDB155	600	1.5	50	10	1.5	1.10	SDB-1
SDB156	800	1.5	50	10	1.5	1.10	SDB-1
SDB157	1000	1.5	50	10	1.5	1.10	SDB-1
SDB201	50	2.0	60	10	2.0	1.20	SDB-1
SDB202	100	2.0	60	10	2.0	1.20	SDB-1
SDB203	200	2.0	60	10	2.0	1.20	SDB-1
SDB204	400	2.0	60	10	2.0	1.20	SDB-1
SDB205	600	2.0	60	10	2.0	1.20	SDB-1
SDB206	800	2.0	60	10	2.0	1.20	SDB-1
SDB207	1000	2.0	60	10	2.0	1.20	SDB-1
SDB101L	50	1.0	30	10	1.0	1.10	SDBL-1



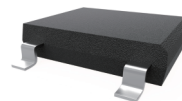
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DB-1



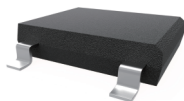
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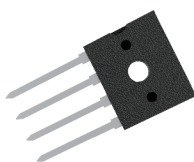
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## BRIDGE RECTIFIERS

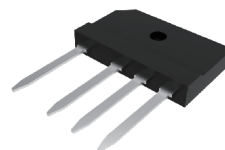
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
SDB102L	100	1.0	30	10	1.0	1.10	SDBL-1
SDB103L	200	1.0	30	10	1.0	1.10	SDBL-1
SDB104L	400	1.0	30	10	1.0	1.10	SDBL-1
SDB105L	600	1.0	30	10	1.0	1.10	SDBL-1
SDB106L	800	1.0	30	10	1.0	1.10	SDBL-1
SDB107L	1000	1.0	30	10	1.0	1.10	SDBL-1
SDB151L	50	1.5	50	10	1.5	1.10	SDBL-1
SDB152L	100	1.5	50	10	1.5	1.10	SDBL-1
SDB153L	200	1.5	50	10	1.5	1.10	SDBL-1
SDB154L	400	1.5	50	10	1.5	1.10	SDBL-1
SDB155L	600	1.5	50	10	1.5	1.10	SDBL-1
SDB156L	800	1.5	50	10	1.5	1.10	SDBL-1
SDB157L	1000	1.5	50	10	1.5	1.10	SDBL-1
SDB201L	50	2.0	60	10	2.0	1.20	SDBL-1
SDB202L	100	2.0	60	10	2.0	1.20	SDBL-1
SDB203L	200	2.0	60	10	2.0	1.20	SDBL-1
SDB204L	400	2.0	60	10	2.0	1.20	SDBL-1
SDB205L	600	2.0	60	10	2.0	1.20	SDBL-1
SDB206L	800	2.0	60	10	2.0	1.20	SDBL-1
SDB207L	1000	2.0	60	10	2.0	1.20	SDBL-1
UD2KB05	50	2.0	75	10	1.0	1.05	D3K
UD2KB10	100	2.0	75	10	1.0	1.05	D3K
UD2KB20	200	2.0	75	10	1.0	1.05	D3K
UD2KB40	400	2.0	75	10	1.0	1.05	D3K
UD2KB60	600	2.0	75	10	1.0	1.05	D3K
UD2KB80	800	2.0	75	10	1.0	1.05	D3K
UD2KB100	1000	2.0	75	10	1.0	1.05	D3K
UD3KB05	50	3.0	90	10	1.5	1.05	D3K
UD3KB10	100	3.0	90	10	1.5	1.05	D3K
UD3KB20	200	3.0	90	10	1.5	1.05	D3K
UD3KB40	400	3.0	90	10	1.5	1.05	D3K
UD3KB60	600	3.0	90	10	1.5	1.05	D3K
UD3KB80	800	3.0	90	10	1.5	1.05	D3K
UD3KB100	1000	3.0	90	10	1.5	1.05	D3K
UD4KB05	50	4.0	130	10	2.0	1.00	D3K
UD4KB10	100	4.0	130	10	2.0	1.00	D3K
UD4KB20	200	4.0	130	10	2.0	1.00	D3K
UD4KB40	400	4.0	130	10	2.0	1.00	D3K
UD4KB60	600	4.0	130	10	2.0	1.00	D3K
UD4KB80	800	4.0	130	10	2.0	1.00	D3K
UD4KB100	1000	4.0	130	10	2.0	1.00	D3K
GBJ6005	50	6.0	170	5	3.0	1.00	GBJ
GBJ601	100	6.0	170	5	3.0	1.00	GBJ
GBJ602	200	6.0	170	5	3.0	1.00	GBJ
GBJ604	400	6.0	170	5	3.0	1.00	GBJ



SDBL-1



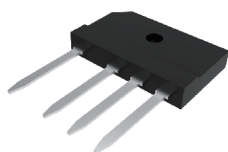
D3K



GBJ

## BRIDGE RECTIFIERS

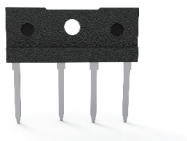
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
GBJ606	600	6.0	170	5	3.0	1.00	GBJ
GBJ608	800	6.0	170	5	3.0	1.00	GBJ
GBJ610	1000	6.0	170	5	3.0	1.00	GBJ
GBJ8005	50	8.0	170	5	4.0	1.00	GBJ
GBJ801	100	8.0	170	5	4.0	1.00	GBJ
GBJ802	200	8.0	170	5	4.0	1.00	GBJ
GBJ804	400	8.0	170	5	4.0	1.00	GBJ
GBJ806	600	8.0	170	5	4.0	1.00	GBJ
GBJ808	800	8.0	170	5	4.0	1.00	GBJ
GBJ810	1000	8.0	170	5	4.0	1.00	GBJ
GBJ10005	50	10.0	170	10	5.0	1.05	GBJ
GBJ1001	100	10.0	170	10	5.0	1.05	GBJ
GBJ1002	200	10.0	170	10	5.0	1.05	GBJ
GBJ1004	400	10.0	170	10	5.0	1.05	GBJ
GBJ1006	600	10.0	170	10	5.0	1.05	GBJ
GBJ1008	800	10.0	170	10	5.0	1.05	GBJ
GBJ1010	1000	10.0	170	10	5.0	1.05	GBJ
GBJ15005	50	15.0	240	10	7.5	1.05	GBJ
GBJ1501	100	15.0	240	10	7.5	1.05	GBJ
GBJ1502	200	15.0	240	10	7.5	1.05	GBJ
GBJ1504	400	15.0	240	10	7.5	1.05	GBJ
GBJ1506	600	15.0	240	10	7.5	1.05	GBJ
GBJ1508	800	15.0	240	10	7.5	1.05	GBJ
GBJ1510	1000	15.0	240	10	7.5	1.05	GBJ
GBJ20005	50	20.0	240	10	10.0	1.05	GBJ
GBJ2001	100	20.0	240	10	10.0	1.05	GBJ
GBJ2002	200	20.0	240	10	10.0	1.05	GBJ
GBJ2004	400	20.0	240	10	10.0	1.05	GBJ
GBJ2006	600	20.0	240	10	10.0	1.05	GBJ
GBJ2008	800	20.0	240	10	10.0	1.05	GBJ
GBJ2010	1000	20.0	240	10	10.0	1.05	GBJ
GBJ25005	50	25.0	350	10	12.5	1.05	GBJ
GBJ2501	100	25.0	350	10	12.5	1.05	GBJ
GBJ2502	200	25.0	350	10	12.5	1.05	GBJ
GBJ2504	400	25.0	350	10	12.5	1.05	GBJ
GBJ2506	600	25.0	350	10	12.5	1.05	GBJ
GBJ2508	800	25.0	350	10	12.5	1.05	GBJ
GBJ2510	1000	25.0	350	10	12.5	1.05	GBJ
GBJ35005	50	35.0	350	10	17.5	1.05	GBJ
GBJ3501	100	35.0	350	10	17.5	1.05	GBJ
GBJ3502	200	35.0	350	10	17.5	1.05	GBJ
GBJ3504	400	35.0	350	10	17.5	1.05	GBJ
GBJ3506	600	35.0	350	10	17.5	1.05	GBJ
GBJ3508	800	35.0	350	10	17.5	1.05	GBJ
GBJ3510	1000	35.0	350	10	17.5	1.05	GBJ



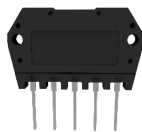
GBJ

## BRIDGE RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
GBJA15005	50	15.0	220	10	7.5	1.05	JA
GBJA1501	100	15.0	220	10	7.5	1.05	JA
GBJA1502	200	15.0	220	10	7.5	1.05	JA
GBJA1504	400	15.0	220	10	7.5	1.05	JA
GBJA1506	600	15.0	220	10	7.5	1.05	JA
GBJA1508	800	15.0	220	10	7.5	1.05	JA
GBJA1510	1000	15.0	220	10	7.5	1.05	JA
GBJA25005	50	25.0	350	10	12.5	1.05	JA
GBJA2501	100	25.0	350	10	12.5	1.05	JA
GBJA2502	200	25.0	350	10	12.5	1.05	JA
GBJA2504	400	25.0	350	10	12.5	1.05	JA
GBJA2506	600	25.0	350	10	12.5	1.05	JA
GBJA2508	800	25.0	350	10	12.5	1.05	JA
GBJA2510	1000	25.0	350	10	12.5	1.05	JA
GBT3508	800	35.0	400	10	17.5	1.10	TSB-5
GBT3510	1000	35.0	400	10	17.5	1.10	TSB-5
GBT3516	1600	35.0	400	10	17.5	1.10	TSB-5
G2SB20	200	2.0	60	5	1.0	1.10	GBL
G2SB60	600	2.0	60	5	1.0	1.10	GBL
G2SB80	800	2.0	60	5	1.0	1.10	GBL
GBL2005	50	2.0	80	10	1.0	1.05	GBL
GBL201	100	2.0	80	10	1.0	1.05	GBL
GBL202	200	2.0	80	10	1.0	1.05	GBL
GBL204	400	2.0	80	10	1.0	1.05	GBL
GBL206	600	2.0	80	10	1.0	1.05	GBL
GBL208	800	2.0	80	10	1.0	1.05	GBL
GBL210	1000	2.0	80	10	1.0	1.05	GBL
GBL4005	50	4.0	150	5	2.0	1.00	GBL
GBL401	100	4.0	150	5	2.0	1.00	GBL
GBL402	200	4.0	150	5	2.0	1.00	GBL
GBL404	400	4.0	150	5	2.0	1.00	GBL
GBL406	600	4.0	150	5	2.0	1.00	GBL
GBL408	800	4.0	150	5	2.0	1.00	GBL
GBL410	1000	4.0	150	5	2.0	1.00	GBL
GBJL6005	50	6.0	170	5	3.0	1.00	GBJL
GBJL601	100	6.0	170	5	3.0	1.00	GBJL
GBJL602	200	6.0	170	5	3.0	1.00	GBJL
GBJL604	400	6.0	170	5	3.0	1.00	GBJL
GBJL606	600	6.0	170	5	3.0	1.00	GBJL
GBJL608	800	6.0	170	5	3.0	1.00	GBJL
GBJL610	1000	6.0	170	5	3.0	1.00	GBJL
GBJL10005	50	10.0	170	10	5.0	1.05	GBJL
GBJL1001	100	10.0	170	10	5.0	1.05	GBJL
GBJL1002	200	10.0	170	10	5.0	1.05	GBJL
GBJL1004	400	10.0	170	10	5.0	1.05	GBJL



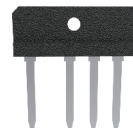
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TSB-5



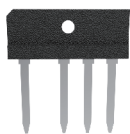
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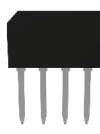
GBJL

## BRIDGE RECTIFIERS

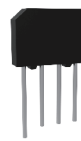
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
GBJL1006	600	10.0	170	10	5.0	1.05	GBJL
GBJL1008	800	10.0	170	10	5.0	1.05	GBJL
GBJL1010	1000	10.0	170	10	5.0	1.05	GBJL
GBJL15005	50	15.0	240	10	7.5	1.05	GBJL
GBJL1501	100	15.0	240	10	7.5	1.05	GBJL
GBJL1502	200	15.0	240	10	7.5	1.05	GBJL
GBJL1504	400	15.0	240	10	7.5	1.05	GBJL
GBJL1506	600	15.0	240	10	7.5	1.05	GBJL
GBJL1508	800	15.0	240	10	7.5	1.05	GBJL
GBJL1510	1000	15.0	240	10	7.5	1.05	GBJL
GBJL20005	50	20.0	240	10	10.0	1.05	GBJL
GBJL2001	100	20.0	240	10	10.0	1.05	GBJL
GBJL2002	200	20.0	240	10	10.0	1.05	GBJL
GBJL2004	400	20.0	240	10	10.0	1.05	GBJL
GBJL2006	600	20.0	240	10	10.0	1.05	GBJL
GBJL2008	800	20.0	240	10	10.0	1.05	GBJL
GBJL2010	1000	20.0	240	10	10.0	1.05	GBJL
GBJL25005	50	25.0	350	10	12.5	1.05	GBJL
GBJL2501	100	25.0	350	10	12.5	1.05	GBJL
GBJL2502	200	25.0	350	10	12.5	1.05	GBJL
GBJL2504	400	25.0	350	10	12.5	1.05	GBJL
GBJL2506	600	25.0	350	10	12.5	1.05	GBJL
GBJL2508	800	25.0	350	10	12.5	1.05	GBJL
GBJL2510	1000	25.0	350	10	12.5	1.05	GBJL
GBJL35005	50	35.0	350	10	17.5	1.05	GBJL
GBJL3501	100	35.0	350	10	17.5	1.05	GBJL
GBJL3502	200	35.0	350	10	17.5	1.05	GBJL
GBJL3504	400	35.0	350	10	17.5	1.05	GBJL
GBJL3506	600	35.0	350	10	17.5	1.05	GBJL
GBJL3508	800	35.0	350	10	17.5	1.05	GBJL
GBJL3510	1000	35.0	350	10	17.5	1.05	GBJL
KBP2005G	50	2.0	50	10	2.0	1.10	GBP
KBP201G	100	2.0	50	10	2.0	1.10	GBP
KBP202G	200	2.0	50	10	2.0	1.10	GBP
KBP204G	400	2.0	50	10	2.0	1.10	GBP
KBP206G	600	2.0	50	10	2.0	1.10	GBP
KBP208G	800	2.0	50	10	2.0	1.10	GBP
KBP210G	1000	2.0	50	10	2.0	1.10	GBP
KBP3005	50	3.0	80	10	1.0	1.10	KBPR
KBP301	100	3.0	80	10	1.0	1.10	KBPR
KBP302	200	3.0	80	10	1.0	1.10	KBPR
KBP304	400	3.0	80	10	1.0	1.10	KBPR
KBP306	600	3.0	80	10	1.0	1.10	KBPR
KBP308	800	3.0	80	10	1.0	1.10	KBPR
KBP310	1000	3.0	80	10	1.0	1.10	KBPR



GBJL



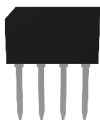
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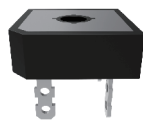
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## BRIDGE RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
KBP3005G	50	3.0	80	10	1.0	1.10	GBP
KBP301G	100	3.0	80	10	1.0	1.10	GBP
KBP302G	200	3.0	80	10	1.0	1.10	GBP
KBP304G	400	3.0	80	10	1.0	1.10	GBP
KBP306G	600	3.0	80	10	1.0	1.10	GBP
KBP308G	800	3.0	80	10	1.0	1.10	GBP
KBP310G	1000	3.0	80	10	1.0	1.10	GBP
KBP4005G	50	4.0	110	10	2.0	1.05	GBP
KBP401G	100	4.0	110	10	2.0	1.05	GBP
KBP402G	200	4.0	110	10	2.0	1.05	GBP
KBP404G	400	4.0	110	10	2.0	1.05	GBP
KBP406G	600	4.0	110	10	2.0	1.05	GBP
KBP408G	800	4.0	110	10	2.0	1.05	GBP
KBP410G	1000	4.0	110	10	2.0	1.05	GBP
GBPC15005	50	15.0	250	5	7.5	1.10	GBPC
GBPC1501	100	15.0	250	5	7.5	1.10	GBPC
GBPC1502	200	15.0	250	5	7.5	1.10	GBPC
GBPC1504	400	15.0	250	5	7.5	1.10	GBPC
GBPC1506	600	15.0	250	5	7.5	1.10	GBPC
GBPC1508	800	15.0	250	5	7.5	1.10	GBPC
GBPC1510	1000	15.0	250	5	7.5	1.10	GBPC
GBPC25005	50	25.0	300	5	12.5	1.10	GBPC
GBPC2501	100	25.0	300	5	12.5	1.10	GBPC
GBPC2502	200	25.0	300	5	12.5	1.10	GBPC
GBPC2504	400	25.0	300	5	12.5	1.10	GBPC
GBPC2506	600	25.0	300	5	12.5	1.10	GBPC
GBPC2508	800	25.0	300	5	12.5	1.10	GBPC
GBPC2510	1000	25.0	300	5	12.5	1.10	GBPC
GBPC35005	50	35.0	400	5	17.5	1.10	GBPC
GBPC3501	100	35.0	400	5	17.5	1.10	GBPC
GBPC3502	200	35.0	400	5	17.5	1.10	GBPC
GBPC3504	400	35.0	400	5	17.5	1.10	GBPC
GBPC3506	600	35.0	400	5	17.5	1.10	GBPC
GBPC3508	800	35.0	400	5	17.5	1.10	GBPC
GBPC3510	1000	35.0	400	5	17.5	1.10	GBPC
GBPC25005W	50	25.0	300	5	12.5	1.10	GBPC-W
GBPC2501W	100	25.0	300	5	12.5	1.10	GBPC-W
GBPC2502W	200	25.0	300	5	12.5	1.10	GBPC-W
GBPC2504W	400	25.0	300	5	12.5	1.10	GBPC-W
GBPC2506W	600	25.0	300	5	12.5	1.10	GBPC-W
GBPC2508W	800	25.0	300	5	12.5	1.10	GBPC-W
GBPC2510W	1000	25.0	300	5	12.5	1.10	GBPC-W
GBU4A	50	4.0	150	5	2.0	1.00	GBU
GBU4B	100	4.0	150	5	2.0	1.00	GBU
GBU4D	200	4.0	150	5	2.0	1.00	GBU



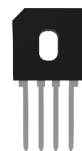
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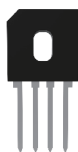
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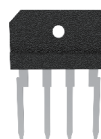
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## BRIDGE RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
GBU4G	400	4.0	150	5	2.0	1.00	GBU
GBU4J	600	4.0	150	5	2.0	1.00	GBU
GBU4K	800	4.0	150	5	2.0	1.00	GBU
GBU4M	1000	4.0	150	5	2.0	1.00	GBU
GBU6A	50	6.0	175	5	3.0	1.00	GBU
GBU6B	100	6.0	175	5	3.0	1.00	GBU
GBU6D	200	6.0	175	5	3.0	1.00	GBU
GBU6G	400	6.0	175	5	3.0	1.00	GBU
GBU6J	600	6.0	175	5	3.0	1.00	GBU
GBU6K	800	6.0	175	5	3.0	1.00	GBU
GBU6M	1000	6.0	175	5	3.0	1.00	GBU
GBU8A	50	8.0	200	5	4.0	1.00	GBU
GBU8B	100	8.0	200	5	4.0	1.00	GBU
GBU8D	200	8.0	200	5	4.0	1.00	GBU
GBU8G	400	8.0	200	5	4.0	1.00	GBU
GBU8J	600	8.0	200	5	4.0	1.00	GBU
GBU8K	800	8.0	200	5	4.0	1.00	GBU
GBU8M	1000	8.0	200	5	4.0	1.00	GBU
GBU10A	50	10.0	240	5	5.0	1.00	GBU
GBU10B	100	10.0	240	5	5.0	1.00	GBU
GBU10D	200	10.0	240	5	5.0	1.00	GBU
GBU10G	400	10.0	240	5	5.0	1.00	GBU
GBU10J	600	10.0	240	5	5.0	1.00	GBU
GBU10K	800	10.0	240	5	5.0	1.00	GBU
GBU10M	1000	10.0	240	5	5.0	1.00	GBU
GBU15A	50	15.0	240	5	7.5	1.10	GBU
GBU15B	100	15.0	240	5	7.5	1.10	GBU
GBU15D	200	15.0	240	5	7.5	1.10	GBU
GBU15G	400	15.0	240	5	7.5	1.10	GBU
GBU15J	600	15.0	240	5	7.5	1.10	GBU
GBU15K	800	15.0	240	5	7.5	1.10	GBU
GBU15M	1000	15.0	240	5	7.5	1.10	GBU
KBJ4005G	50	4.0	150	10	2.0	1.00	KBJ
KBJ401G	100	4.0	150	10	2.0	1.00	KBJ
KBJ402G	200	4.0	150	10	2.0	1.00	KBJ
KBJ404G	400	4.0	150	10	2.0	1.00	KBJ
KBJ406G	600	4.0	150	10	2.0	1.00	KBJ
KBJ408G	800	4.0	150	10	2.0	1.00	KBJ
KBJ410G	1000	4.0	150	10	2.0	1.00	KBJ
KBJ6005G	50	6.0	170	5	3.0	1.00	KBJ
KBJ601G	100	6.0	170	5	3.0	1.00	KBJ
KBJ602G	200	6.0	170	5	3.0	1.00	KBJ
KBJ604G	400	6.0	170	5	3.0	1.00	KBJ
KBJ606G	600	6.0	170	5	3.0	1.00	KBJ
KBJ608G	800	6.0	170	5	3.0	1.00	KBJ



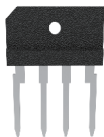
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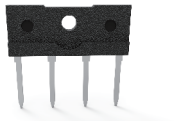
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## BRIDGE RECTIFIERS

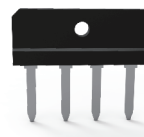
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
KBJ610G	1000	6.0	170	5	3.0	1.00	KBJ
KBJ10005G	50	10.0	120	10	5.0	1.10	KBJ
KBJ1001G	100	10.0	120	10	5.0	1.10	KBJ
KBJ1002G	200	10.0	120	10	5.0	1.10	KBJ
KBJ1004G	400	10.0	120	10	5.0	1.10	KBJ
KBJ1006G	600	10.0	120	10	5.0	1.10	KBJ
KBJ1008G	800	10.0	120	10	5.0	1.10	KBJ
KBJ1010G	1000	10.0	120	10	5.0	1.10	KBJ
KBJA4005	50	4.0	120	10	2.0	1.05	JB
KBJA401	100	4.0	120	10	2.0	1.05	JB
KBJA402	200	4.0	120	10	2.0	1.05	JB
KBJA404	400	4.0	120	10	2.0	1.05	JB
KBJA406	600	4.0	120	10	2.0	1.05	JB
KBJA408	800	4.0	120	10	2.0	1.05	JB
KBJA410	1000	4.0	120	10	2.0	1.05	JB
KBJA6005	50	6.0	135	10	3.0	1.05	JB
KBJA601	100	6.0	135	10	3.0	1.05	JB
KBJA602	200	6.0	135	10	3.0	1.05	JB
KBJA604	400	6.0	135	10	3.0	1.05	JB
KBJA606	600	6.0	135	10	3.0	1.05	JB
KBJA608	800	6.0	135	10	3.0	1.05	JB
KBJA610	1000	6.0	135	10	3.0	1.05	JB
KBJA8005	50	8.0	150	10	4.0	1.10	JB
KBJA801	100	8.0	150	10	4.0	1.10	JB
KBJA802	200	8.0	150	10	4.0	1.10	JB
KBJA804	400	8.0	150	10	4.0	1.10	JB
KBJA806	600	8.0	150	10	4.0	1.10	JB
KBJA808	800	8.0	150	10	4.0	1.10	JB
KBJA810	1000	8.0	150	10	4.0	1.10	JB
KBJA10005	50	10.0	150	10	5.0	1.10	JB
KBJA1001	100	10.0	150	10	5.0	1.10	JB
KBJA1002	200	10.0	150	10	5.0	1.10	JB
KBJA1004	400	10.0	150	10	5.0	1.10	JB
KBJA1006	600	10.0	150	10	5.0	1.10	JB
KBJA1008	800	10.0	150	10	5.0	1.10	JB
KBJA1010	1000	10.0	150	10	5.0	1.10	JB
KBJL4005G	50	4.0	150	10	2.0	1.00	KBJL
KBJL401G	100	4.0	150	10	2.0	1.00	KBJL
KBJL402G	200	4.0	150	10	2.0	1.00	KBJL
KBJL404G	400	4.0	150	10	2.0	1.00	KBJL
KBJL406G	600	4.0	150	10	2.0	1.00	KBJL
KBJL408G	800	4.0	150	10	2.0	1.00	KBJL
KBJL410G	1000	4.0	150	10	2.0	1.00	KBJL
KBJL6005G	50	6.0	170	5	3.0	1.00	KBJL
KBJL601G	100	6.0	170	5	3.0	1.00	KBJL



KBJ



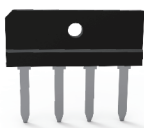
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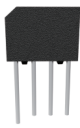
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## BRIDGE RECTIFIERS

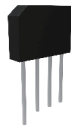
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
KBJL602G	200	6.0	170	5	3.0	1.00	KBJL
KBJL604G	400	6.0	170	5	3.0	1.00	KBJL
KBJL606G	600	6.0	170	5	3.0	1.00	KBJL
KBJL608G	800	6.0	170	5	3.0	1.00	KBJL
KBJL610G	1000	6.0	170	5	3.0	1.00	KBJL
KBJL8005G	50	8.0	180	5	4.0	1.00	KBJL
KBJL801G	100	8.0	180	5	4.0	1.00	KBJL
KBJL802G	200	8.0	180	5	4.0	1.00	KBJL
KBJL804G	400	8.0	180	5	4.0	1.00	KBJL
KBJL806G	600	8.0	180	5	4.0	1.00	KBJL
KBJL808G	800	8.0	180	5	4.0	1.00	KBJL
KBJL810G	1000	8.0	180	5	4.0	1.00	KBJL
KBJL10005G	50	10.0	180	5	5.0	1.10	KBJL
KBJL1001G	100	10.0	180	5	5.0	1.10	KBJL
KBJL1002G	200	10.0	180	5	5.0	1.10	KBJL
KBJL1004G	400	10.0	180	5	5.0	1.10	KBJL
KBJL1006G	600	10.0	180	5	5.0	1.10	KBJL
KBJL1008G	800	10.0	180	5	5.0	1.10	KBJL
KBJL1010G	1000	10.0	180	5	5.0	1.10	KBJL
KBJL15005G	50	15.0	250	5	7.5	1.05	KBJL
KBJL1501G	100	15.0	250	5	7.5	1.05	KBJL
KBJL1502G	200	15.0	250	5	7.5	1.05	KBJL
KBJL1504G	400	15.0	250	5	7.5	1.05	KBJL
KBJL1506G	600	15.0	250	5	7.5	1.05	KBJL
KBJL1508G	800	15.0	250	5	7.5	1.05	KBJL
KBJL1510G	1000	15.0	250	5	7.5	1.05	KBJL
KBP005M	50	1.5	50	10	1.5	1.10	KBPR
KBP01M	100	1.5	50	10	1.5	1.10	KBPR
KBP02M	200	1.5	50	10	1.5	1.10	KBPR
KBP04M	400	1.5	50	10	1.5	1.10	KBPR
KBP06M	600	1.5	50	10	1.5	1.10	KBPR
KBP08M	800	1.5	50	10	1.5	1.10	KBPR
KBP10M	1000	1.5	50	10	1.5	1.10	KBPR
2KBP005	50	2.0	60	10	2.0	1.20	KBPL
2KBP01	100	2.0	60	10	2.0	1.20	KBPL
2KBP02	200	2.0	60	10	2.0	1.20	KBPL
2KBP04	400	2.0	60	10	2.0	1.20	KBPL
2KBP06	600	2.0	60	10	2.0	1.20	KBPL
2KBP08	800	2.0	60	10	2.0	1.20	KBPL
2KBP10	1000	2.0	60	10	2.0	1.20	KBPL
KBP206	600	2.0	60	5	2.0	1.10	KBPR
RS401GL	50	4.0	200	5	4.0	1.10	RS-4L
RS402GL	100	4.0	200	5	4.0	1.10	RS-4L
RS403GL	200	4.0	200	5	4.0	1.10	RS-4L
RS404GL	400	4.0	200	5	4.0	1.10	RS-4L



KBJL



KBPR



KBPL



RS-4L

## BRIDGE RECTIFIERS

Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
RS405GL	600	4.0	200	5	4.0	1.10	RS-4L
RS406GL	800	4.0	200	5	4.0	1.10	RS-4L
RS407GL	1000	4.0	200	5	4.0	1.10	RS-4L
RS601	50	6.0	200	10	3.0	1.10	RS-6
RS602	100	6.0	200	10	3.0	1.10	RS-6
RS603	200	6.0	200	10	3.0	1.10	RS-6
RS604	400	6.0	200	10	3.0	1.10	RS-6
RS605	600	6.0	200	10	3.0	1.10	RS-6
RS606	800	6.0	200	10	3.0	1.10	RS-6
RS607	1000	6.0	200	10	3.0	1.10	RS-6
RS801	50	8.0	300	10	4.0	1.10	RS-6
RS802	100	8.0	300	10	4.0	1.10	RS-6
RS803	200	8.0	300	10	4.0	1.10	RS-6
RS804	400	8.0	300	10	4.0	1.10	RS-6
RS805	600	8.0	300	10	4.0	1.10	RS-6
RS806	800	8.0	300	10	4.0	1.10	RS-6
RS807	1000	8.0	300	10	4.0	1.10	RS-6
RS1001	50	10.0	250	10	5.0	1.00	RS-6
RS1002	100	10.0	250	10	5.0	1.00	RS-6
RS1003	200	10.0	250	10	5.0	1.00	RS-6
RS1004	400	10.0	250	10	5.0	1.00	RS-6
RS1005	600	10.0	250	10	5.0	1.00	RS-6
RS1006	800	10.0	250	10	5.0	1.00	RS-6
RS1007	1000	10.0	250	10	5.0	1.00	RS-6
PB305	50	3.0	50	10	1.5	1.20	PB-3
PB31	100	3.0	50	10	1.5	1.20	PB-3
PB32	200	3.0	50	10	1.5	1.20	PB-3
PB34	400	3.0	50	10	1.5	1.20	PB-3
PB36	600	3.0	50	10	1.5	1.20	PB-3
PB38	800	3.0	50	10	1.5	1.20	PB-3
PB310	1000	3.0	50	10	1.5	1.20	PB-3
PB605	50	6.0	150	10	3.0	1.00	PB-6
PB61	100	6.0	150	10	3.0	1.00	PB-6
PB62	200	6.0	150	10	3.0	1.00	PB-6
PB64	400	6.0	150	10	3.0	1.00	PB-6
PB66	600	6.0	150	10	3.0	1.00	PB-6
PB68	800	6.0	150	10	3.0	1.00	PB-6
PB610	1000	6.0	150	10	3.0	1.00	PB-6
BR1005	50	10.0	150	10	5.0	1.10	PB-6
BR101	100	10.0	150	10	5.0	1.10	PB-6
BR102	200	10.0	150	10	5.0	1.10	PB-6
BR104	400	10.0	150	10	5.0	1.10	PB-6
BR106	600	10.0	150	10	5.0	1.10	PB-6
BR108	800	10.0	150	10	5.0	1.10	PB-6
BR1010	1000	10.0	150	10	5.0	1.10	PB-6



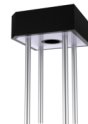
RS-4L



RS-6



PB-3



PB-6

## BRIDGE RECTIFIERS

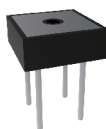
Part Number	Working Peak Reverse Voltage	Average Forward Current @ Half-Wave Resistive Load 60Hz	Forward Peak Surge Current @ 8.3mS Superimposed	Maximum Reverse Current @ $V_{RWM}$	Maximum Forward Voltage		Package
	$V_{RWM}$	$I_o @ T_L$	$I_{FSM}$	$I_R$	$I_{FM}$	$V_{FM}$	
	V	A	A	$\mu A$	A	V	
Pb805	50	8.0	250	10	4.0	1.10	PB-10
PB81	100	8.0	250	10	4.0	1.10	PB-10
PB82	200	8.0	250	10	4.0	1.10	PB-10
PB84	400	8.0	250	10	4.0	1.10	PB-10
PB86	600	8.0	250	10	4.0	1.10	PB-10
PB88	800	8.0	250	10	4.0	1.10	PB-10
PB810	1000	8.0	250	10	4.0	1.10	PB-10
MB251D	110	25.0	300	2	12.5	2.10	MB-35D
MB1505W	50	15.0	300	10	7.5	1.20	MB-35W
MP156W	600	15.0	300	5	7.5	1.10	MB-35W
MB251W	100	25.0	300	10	12.5	1.20	MP-50W
MP358W	800	35.0	400	5	17.5	1.10	MP-50W
MP5005W	50	50.0	400	10	25.0	1.20	MP-50W
MP501W	100	50.0	400	10	25.0	1.20	MP-50W
MP502W	200	50.0	400	10	25.0	1.20	MP-50W
MP504W	400	50.0	400	10	25.0	1.20	MP-50W
MP506W	600	50.0	400	10	25.0	1.20	MP-50W
MP508W	800	50.0	400	10	25.0	1.20	MP-50W
MP5010W	1000	50.0	400	10	25.0	1.20	MP-50W



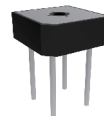
PB-10



MB-35D



MB-35W



MP-50W

## ZENER DIODES

Part Number	Nominal Zener Voltage Vz @ Izt	Test Current Izt	Maximum Zener Impedance 'B' Suffix Only Zzt @ Izt      Zzk @ Izk = 0.25mA		Maximum Reverse Leakage Current IR @ VR		Max. Zener Voltage Temp Coefficient 'B' Suffix Only	Package
	Volts	mA	Ω	Ω	mA	Volts	% / °C	
1N5221B	2.4	20.0	30	1200	100.0	1.0	-0.085	DO-35
1N5222B	2.5	20.0	30	1250	100.0	1.0	-0.085	DO-35
1N5223B	2.7	20.0	30	1300	75.0	1.0	-0.080	DO-35
1N5224B	2.8	20.0	30	1400	75.0	1.0	-0.080	DO-35
1N5225B	3.0	20.0	29	1600	50.0	1.0	-0.075	DO-35
1N5226B	3.3	20.0	28	1600	25.0	1.0	-0.070	DO-35
1N5227B	3.6	20.0	24	1700	15.0	1.0	-0.065	DO-35
1N5228B	3.9	20.0	23	1900	10.0	1.0	-0.060	DO-35
1N5229B	4.3	20.0	22	2000	5.0	1.0	±0.055	DO-35
1N5230B	4.7	20.0	19	1900	5.0	2.0	±0.030	DO-35
1N5231B	5.1	20.0	17	1600	5.0	2.0	±0.030	DO-35
1N5232B	5.6	20.0	11	1600	5.0	3.0	+0.038	DO-35
1N5233B	6.0	20.0	7	1600	5.0	3.5	+0.038	DO-35
1N5234B	6.2	20.0	7	1000	5.0	4.0	+0.045	DO-35
1N5235B	6.8	20.0	5	750	3.0	5.0	+0.050	DO-35
1N5236B	7.5	20.0	6	500	3.0	6.0	+0.058	DO-35
1N5237B	8.2	20.0	8	500	3.0	6.5	+0.062	DO-35
1N5238B	8.7	20.0	8	600	3.0	6.5	+0.065	DO-35
1N5239B	9.1	20.0	10	600	3.0	7.0	+0.068	DO-35
1N5240B	10.0	20.0	17	600	3.0	8.0	+0.075	DO-35
1N5241B	11.0	20.0	22	600	2.0	8.4	+0.076	DO-35
1N5242B	12.0	20.0	30	600	1.0	9.1	+0.077	DO-35
1N5243B	13.0	9.5	13	600	0.5	9.9	+0.079	DO-35
1N5244B	14.0	9.0	15	600	0.1	10.0	+0.082	DO-35
1N5245B	15.0	8.5	16	600	0.1	11.0	+0.082	DO-35
1N5246B	16.0	7.8	17	600	0.1	12.0	+0.083	DO-35
1N5247B	17.0	7.4	19	600	0.1	13.0	+0.084	DO-35
1N5248B	18.0	7.0	21	600	0.1	14.0	+0.085	DO-35
1N5249B	19.0	6.6	23	600	0.1	14.0	+0.086	DO-35
1N5250B	20.0	6.2	25	600	0.1	15.0	+0.086	DO-35
1N5251B	22.0	5.6	29	600	0.1	17.0	+0.087	DO-35
1N5252B	24.0	5.2	33	600	0.1	18.0	+0.088	DO-35
1N5253B	25.0	5.0	35	600	0.1	19.0	+0.089	DO-35
1N5254B	27.0	4.6	41	600	0.1	21.0	+0.090	DO-35
1N5255B	28.0	4.5	44	600	0.1	21.0	+0.091	DO-35
1N5256B	30.0	4.2	49	600	0.1	23.0	+0.091	DO-35
1N5257B	33.0	3.8	58	700	0.1	25.0	+0.092	DO-35
1N5258B	36.0	3.4	70	700	0.1	27.0	+0.093	DO-35
1N5259B	39.0	3.2	80	800	0.1	30.0	+0.094	DO-35
1N5260B	43.0	3.0	93	900	0.1	33.0	+0.095	DO-35
1N5261B	47.0	2.7	105	1000	0.1	36.0	+0.095	DO-35
1N5262B	51.0	2.5	125	1100	0.1	39.0	+0.096	DO-35
1N5263B	56.0	2.2	150	1300	0.1	43.0	+0.096	DO-35
1N5264B	60.0	2.1	170	1400	0.1	46.0	+0.097	DO-35
1N5265B	62.0	2.0	185	1400	0.1	47.0	+0.097	DO-35
1N5266B	68.0	1.8	230	1600	0.1	52.0	+0.097	DO-35
1N5267B	75.0	1.7	270	1700	0.1	56.0	+0.098	DO-35
1N5271B	100.0	1.3	500	2600	0.1	76.0	+0.110	DO-35



DO-35

## ZENER DIODES

Part Number	Zener Voltage			Test Current	Maximum Reverse Leakage Current		Maximum Zener Current Rating	Maximum Voltage Change	Package
	V <sub>Z</sub> (Volts)			I <sub>ZT</sub>	I <sub>R</sub>	V <sub>R</sub>	I <sub>ZM</sub>	ΔV <sub>Z</sub>	
	Min	Nom	Max	μA	μA	V	mA	V	
1N4678	1.710	1.800	1.890	50	7.50	1.0	120.0	0.70	DO-35
1N4679	1.900	2.000	2.100	50	5.00	1.0	110.0	0.70	DO-35
1N4680	2.090	2.200	2.310	50	5.00	1.0	100.0	0.75	DO-35
1N4681	2.280	2.400	2.520	50	2.00	1.0	95.0	0.80	DO-35
1N4682	2.565	2.700	2.835	50	1.00	1.0	90.0	0.85	DO-35
1N4683	2.850	3.000	3.150	50	0.80	1.0	85.0	0.90	DO-35
1N4684	3.135	3.300	3.465	50	7.50	1.5	80.0	0.95	DO-35
1N4685	3.420	3.600	3.780	50	7.50	2.0	75.0	0.95	DO-35
1N4686	3.705	3.900	4.095	50	5.00	2.0	70.0	0.97	DO-35
1N4687	4.085	4.300	4.515	50	4.00	2.0	65.0	0.99	DO-35
1N4688	4.465	4.700	4.935	50	10.00	3.0	60.0	0.99	DO-35
1N4689	4.845	5.100	5.355	50	10.00	3.0	55.0	0.97	DO-35
1N4690	5.320	5.600	5.880	50	10.00	4.0	50.0	0.96	DO-35
1N4691	5.890	6.200	6.510	50	10.00	5.0	45.0	0.95	DO-35
1N4692	6.460	6.800	7.140	50	10.00	5.1	35.0	0.90	DO-35
1N4693	7.125	7.500	7.875	50	10.00	5.7	31.8	0.75	DO-35
1N4694	7.790	8.200	8.610	50	1.00	6.2	29.0	0.50	DO-35
1N4695	8.265	8.700	9.135	50	1.00	6.6	27.4	0.40	DO-35
1N4696	8.645	9.100	9.555	50	1.00	6.9	26.2	0.08	DO-35
1N4697	9.500	10.000	10.500	50	1.00	7.6	24.8	0.10	DO-35
1N4698	10.450	11.000	11.550	50	0.05	8.4	21.6	0.11	DO-35
1N4699	11.400	12.000	12.600	50	0.05	9.1	20.4	0.12	DO-35
1N4700	12.350	13.000	13.650	50	0.05	9.8	19.0	0.13	DO-35
1N4701	13.300	14.000	14.700	50	0.05	10.6	17.5	0.14	DO-35
1N4702	14.250	15.000	15.750	50	0.05	11.4	16.3	0.15	DO-35
1N4703	15.200	16.000	16.800	50	0.05	12.1	15.4	0.16	DO-35
1N4704	16.150	17.000	17.850	50	0.05	12.9	14.5	0.17	DO-35
1N4705	17.100	18.000	18.900	50	0.05	13.6	13.2	0.18	DO-35
1N4706	18.050	19.000	19.950	50	0.05	14.4	12.5	0.19	DO-35
1N4707	19.000	20.000	21.000	50	0.01	15.2	11.9	0.20	DO-35
1N4711	25.650	27.000	28.350	50	0.01	20.4	8.8	0.27	DO-35
1N4713	28.500	30.000	31.500	50	0.01	22.8	7.9	0.30	DO-35
1N4714	31.350	33.000	34.650	50	0.01	25.0	7.2	0.33	DO-35
1N4715	34.200	36.000	37.800	50	0.01	27.3	6.6	0.36	DO-35
1N4716	37.050	39.000	40.950	50	0.01	29.6	6.1	0.39	DO-35
1N4717	40.850	43.000	45.150	50	0.01	32.6	5.5	0.43	DO-35



DO-35

## ZENER DIODES

Part Number	Nominal Zener Voltage Vz @ Izt	Test Current Izt	Maximum Zener Impedance Zzt @ Izt	Maximum Reverse Leakage Current IR @ VR		Maximum Zener Current Izm	Device Marking	Package
	Volts	mA	Ω	μA@25°C	V@25°C	mA		
1N4614	1.8	0.25	1200	7.50	1.00	120.0	1N4614	DO-35
1N4615	2.0	0.25	1250	5.00	1.00	110.0	1N4615	DO-35
1N4616	2.2	0.25	1300	4.00	1.00	100.0	1N4616	DO-35
1N4617	2.4	0.25	1400	2.00	1.00	95.0	1N4617	DO-35
1N4618	2.7	0.25	1500	1.00	1.00	90.0	1N4618	DO-35
1N4619	3.0	0.25	1600	0.80	1.00	87.0	1N4619	DO-35
1N4620	3.3	0.25	1650	7.50	1.50	85.0	1N4620	DO-35
1N4621	3.6	0.25	1700	7.50	2.00	83.0	1N4621	DO-35
1N4622	3.9	0.25	1650	5.00	2.00	80.0	1N4622	DO-35
1N4623	4.3	0.25	1600	4.00	2.00	77.0	1N4623	DO-35
1N4624	4.7	0.25	1550	10.00	3.00	75.0	1N4624	DO-35
1N4625	5.1	0.25	1500	10.00	3.00	70.0	1N4625	DO-35
1N4626	5.6	0.25	1400	10.00	4.00	65.0	1N4626	DO-35
1N4627	6.2	0.25	1200	10.00	5.00	61.0	1N4627	DO-35
1N4099	6.8	0.25	200	10.00	5.17	56.0	1N4099	DO-35
1N4100	7.5	0.25	200	10.00	5.70	51.0	1N4100	DO-35
1N4101	8.2	0.25	200	1.00	6.24	46.0	1N4101	DO-35
1N4102	8.7	0.25	200	1.00	6.61	44.0	1N4102	DO-35
1N4103	9.1	0.25	200	1.00	6.92	42.0	1N4103	DO-35
1N4104	10.0	0.25	200	1.00	7.60	38.0	1N4104	DO-35
1N4105	11.0	0.25	200	0.05	8.44	35.0	1N4105	DO-35
1N4106	12.0	0.25	200	0.05	8.12	32.0	1N4106	DO-35
1N4107	13.0	0.25	200	0.05	9.86	29.0	1N4107	DO-35
1N4108	14.0	0.25	200	0.05	10.65	27.0	1N4108	DO-35
1N4109	15.0	0.25	100	0.05	11.40	25.0	1N4109	DO-35
1N4110	16.0	0.25	100	0.05	12.15	24.0	1N4110	DO-35
1N4111	17.0	0.25	100	0.05	12.92	22.0	1N4111	DO-35
1N4112	18.0	0.25	100	0.05	13.67	21.0	1N4112	DO-35
1N4113	19.0	0.25	150	0.05	14.44	20.0	1N4113	DO-35
1N4114	20.0	0.25	150	0.01	15.20	19.0	1N4114	DO-35
1N4115	22.0	0.25	150	0.01	16.72	17.0	1N4115	DO-35
1N4116	24.0	0.25	150	0.01	18.25	16.0	1N4116	DO-35
1N4117	25.0	0.25	150	0.01	19.00	15.0	1N4117	DO-35
1N4118	27.0	0.25	150	0.01	20.45	14.0	1N4118	DO-35
1N4119	28.0	0.25	200	0.01	21.28	14.0	1N4119	DO-35
1N4120	30.0	0.25	200	0.01	22.80	13.0	1N4120	DO-35
1N4121	33.0	0.25	200	0.01	25.08	12.0	1N4121	DO-35
1N4122	36.0	0.25	200	0.01	27.38	11.0	1N4122	DO-35
1N4123	39.0	0.25	200	0.01	29.65	9.8	1N4123	DO-35
1N4124	43.0	0.25	250	0.01	32.65	8.9	1N4124	DO-35
1N4125	47.0	0.25	250	0.01	35.75	8.1	1N4125	DO-35



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## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current $I_R$ @ $V_R$		Maximum DC Zener Current	Package
	$V_Z$	$I_{ZT}$	$Z_{ZT}$	$Z_{ZK}$	$I_{ZK}$	$I_R$	$V_R$	$I_{ZM}$	
	V	mA	$\Omega$	$\Omega$	$\Omega$	mA	V	mA	
1EZ6.2D5	6.2	40.3	2.0	700	1.00	10	3.0	146	DO-41
1EZ6.8D5	6.8	36.8	3.5	700	1.00	10	4.0	133	DO-41
1EZ7.5D5	7.5	33.3	4.0	700	0.50	10	5.0	121	DO-41
1EZ8.2D5	8.2	30.5	4.5	700	0.50	10	6.0	110	DO-41
1EZ9.1D5	9.1	27.5	5.0	700	0.50	10	7.0	100	DO-41
1EZ10D5	10	25.0	7.0	700	0.25	10	7.6	91	DO-41
1EZ11D5	11	22.7	8.0	700	0.25	5	8.4	83	DO-41
1EZ12D5	12	20.8	9.0	700	0.25	5	9.1	76	DO-41
1EZ13D5	13	19.2	10.0	700	0.25	5	9.9	69	DO-41
1EZ14D5	14	17.9	12.0	700	0.25	5	10.6	65	DO-41
1EZ15D5	15	16.7	14.0	700	0.25	5	11.4	61	DO-41
1EZ16D5	16	15.6	16.0	700	0.25	5	12.2	57	DO-41
1EZ17D5	17	14.7	18.0	750	0.25	5	13.0	53	DO-41
1EZ18D5	18	13.9	20.0	750	0.25	5	13.7	50	DO-41
1EZ19D5	19	13.2	21.0	750	0.25	5	14.4	47	DO-41
1EZ20D5	20	12.5	22.0	750	0.25	5	15.2	45	DO-41
1EZ22D5	22	11.4	23.0	750	0.25	5	16.7	41	DO-41
1EZ24D5	24	10.4	25.0	750	0.25	5	18.2	38	DO-41
1EZ27D5	27	9.3	35.0	750	0.25	5	20.6	34	DO-41
1EZ30D5	30	8.3	40.0	1000	0.25	5	22.5	30	DO-41
1EZ33D5	33	7.6	45.0	1000	0.25	5	25.1	27	DO-41
1EZ36D5	36	6.9	50.0	1000	0.25	5	27.4	25	DO-41
1EZ39D5	39	6.4	60.0	1000	0.25	5	29.7	23	DO-41



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## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current I <sub>R</sub> @ V <sub>R</sub>		Surge Current	Maximum DC Zener Current	Package
	V <sub>Z</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub>	Z <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	I <sub>R</sub>	I <sub>ZM</sub>	
	V	mA	Ω	Ω	Ω	mA	V	mA	mA	
1N4728A	3.3	76.0	10	400	1.00	100	1.0	1380	276	DO-41G
1N4729A	3.6	69.0	10	400	1.00	100	1.0	1260	252	DO-41G
1N4730A	3.9	64.0	9.0	400	1.00	50	1.0	1190	234	DO-41G
1N4731A	4.3	58.0	9.0	400	1.00	10	1.0	1070	217	DO-41G
1N4732A	4.7	53.0	8.0	500	1.00	10	1.0	970	193	DO-41G
1N4733A	5.1	49.0	7.0	550	1.00	10	1.0	890	178	DO-41G
1N4734A	5.6	45.0	5.0	600	1.00	10	2.0	810	162	DO-41G
1N4735A	6.2	41.0	2.0	700	1.00	10	3.0	730	146	DO-41G
1N4736A	6.8	37.0	3.5	700	1.00	10	4.0	660	133	DO-41G
1N4737A	7.5	34.0	4.0	700	0.50	10	5.0	605	121	DO-41G
1N4738A	8.2	31.0	4.5	700	0.50	10	6.0	550	110	DO-41G
1N4739A	9.1	28.0	5.0	700	0.50	10	7.0	500	100	DO-41G
1N4740A	10.0	25.0	7.0	700	0.25	10	7.6	454	91	DO-41G
1N4741A	11.0	23.0	8.0	700	0.25	5	8.4	414	83	DO-41G
1N4742A	12.0	21.0	9.0	700	0.25	5	9.1	380	76	DO-41G
1N4743A	13.0	19.0	10.0	700	0.25	5	9.9	344	69	DO-41G
1N4744A	15.0	17.0	14.0	700	0.25	5	11.4	304	61	DO-41G
1N4745A	16.0	15.5	16.0	700	0.25	5	12.2	285	57	DO-41G
1N4746A	18.0	14.0	20.0	750	0.25	5	13.7	250	50	DO-41G
1N4747A	20.0	12.5	22.0	750	0.25	5	15.2	225	45	DO-41G
1N4748A	22.0	11.5	23.0	750	0.25	5	16.7	205	41	DO-41G
1N4749A	24.0	10.5	25.0	750	0.25	5	18.2	190	38	DO-41G
1N4750A	27.0	9.5	35.0	750	0.25	5	20.6	170	34	DO-41G
1N4751A	30.0	8.5	40.0	1000	0.25	5	22.8	150	30	DO-41G
1N4752A	33.0	7.5	45.0	1000	0.25	5	25.1	135	27	DO-41G
1N4753A	36.0	7.0	50.0	1000	0.25	5	27.4	125	25	DO-41G
1N4754A	39.0	6.5	60.0	1000	0.25	5	29.7	115	23	DO-41G
1N4755A	43.0	6.0	70.0	1500	0.25	5	32.7	110	22	DO-41G
1N4756A	47.0	5.5	80.0	1500	0.25	5	35.8	95	19	DO-41G
1N4757A	51.0	5.0	95.0	1500	0.25	5	38.8	90	18	DO-41G
1N4758A	56.0	4.5	110.0	2000	0.25	5	42.6	80	16	DO-41G
1N4759A	62.0	4.0	125.0	2000	0.25	5	47.1	70	14	DO-41G
1N4760A	68.0	3.7	150.0	2000	0.25	5	51.7	65	13	DO-41G
1N4761A	75.0	3.3	175.0	2000	0.25	5	56.0	60	12	DO-41G



DO-41G

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current $I_R$ @ $V_R$		Surge Current	Maximum DC Zener Current	Package
	$V_Z$	$I_{zt}$	$Z_{ZT}$	$Z_{ZK}$	$I_{ZK}$	$I_R$	$V_R$	$I_R$	$I_{ZM}$	
	V	mA	$\Omega$	$\Omega$	$\Omega$	mA	V	mA	mA	
1N4736AP	6.8	37.0	3.5	700	1.00	10	4.0	660	133	DO-41
1N4737AP	7.5	34.0	4.0	700	0.50	10	5.0	605	121	DO-41
1N4738AP	8.2	31.0	4.5	700	0.50	10	6.0	550	110	DO-41
1N4739AP	9.1	28.0	5.0	700	0.50	10	7.0	500	100	DO-41
1N4740AP	10.0	25.0	7.0	700	0.25	10	7.6	454	91	DO-41
1N4741AP	11.0	23.0	8.0	700	0.25	5	8.4	414	83	DO-41
1N4742AP	12.0	21.0	9.0	700	0.25	5	9.1	380	76	DO-41
1N4743AP	13.0	19.0	10.0	700	0.25	5	9.9	344	69	DO-41
1N4744AP	15.0	17.0	14.0	700	0.25	5	11.4	304	61	DO-41
1N4745AP	16.0	15.5	16.0	700	0.25	5	12.2	285	57	DO-41
1N4746AP	18.0	14.0	20.0	750	0.25	5	13.7	250	50	DO-41
1N4747AP	20.0	12.5	22.0	750	0.25	5	15.2	225	45	DO-41
1N4748AP	22.0	11.5	23.0	750	0.25	5	16.7	205	41	DO-41
1N4749AP	24.0	10.5	25.0	750	0.25	5	18.2	190	38	DO-41
1N4750AP	27.0	9.5	35.0	750	0.25	5	20.6	170	34	DO-41
1N4751AP	30.0	8.5	40.0	1000	0.25	5	22.8	150	30	DO-41
1N4752AP	33.0	7.5	45.0	1000	0.25	5	25.1	135	27	DO-41
1N4753AP	36.0	7.0	50.0	1000	0.25	5	27.4	125	25	DO-41
1N4754AP	39.0	6.5	60.0	1000	0.25	5	29.7	115	23	DO-41
1N4755AP	43.0	6.0	70.0	1500	0.25	5	32.7	110	22	DO-41
1N4756AP	47.0	5.5	80.0	1500	0.25	5	35.8	95	19	DO-41
1N4757AP	51.0	5.0	95.0	1500	0.25	5	38.8	90	18	DO-41
1N4758AP	56.0	4.5	110.0	2000	0.25	5	42.6	80	16	DO-41
1N4759AP	62.0	4.0	125.0	2000	0.25	5	47.1	70	14	DO-41
1N4760AP	68.0	3.7	150.0	2000	0.25	5	51.7	65	13	DO-41
1N4761AP	75.0	3.3	175.0	2000	0.25	5	56.0	60	12	DO-41
1N4762AP	82.0	3.0	200.0	3000	0.25	5	62.2	55	11	DO-41
1N4763AP	91.0	2.8	300.0	3000	0.25	5	69.2	50	10	DO-41
1N4764AP	100.0	2.5	350.0	3000	0.25	5	76.0	45	9	DO-41



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## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current I <sub>R</sub> @ V <sub>R</sub>		Package
	V <sub>Z</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub>	Z <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	
	V	mA	Ω	Ω	mA	μA	V	
1N5920BP	6.2	60.5	2.0	200	1.00	5	4.0	DO-41
1N5921BP	6.8	55.1	2.5	200	1.00	5	5.2	DO-41
1N5922BP	7.5	50.0	3.0	400	0.50	5	6.0	DO-41
1N5923BP	8.2	45.7	3.5	400	0.50	5	6.5	DO-41
1N5924BP	9.1	41.2	4.0	500	0.50	5	7.0	DO-41
1N5925BP	10	37.5	4.5	500	0.25	5	8.0	DO-41
1N5926BP	11	34.1	5.5	550	0.25	1	8.4	DO-41
1N5927BP	12	31.2	6.5	550	0.25	1	9.1	DO-41
1N5928BP	13	28.8	7.0	550	0.25	1	9.9	DO-41
1N5929BP	15	25.0	9.0	600	0.25	1	11.4	DO-41
1N5930BP	16	23.4	10.0	600	0.25	1	12.2	DO-41
1N5931BP	18	20.8	12.0	650	0.25	1	13.7	DO-41
1N5932BP	20	18.7	14.0	650	0.25	1	15.2	DO-41
1N5933BP	22	17.0	17.5	650	0.25	1	16.7	DO-41
1N5934BP	24	15.6	19.0	700	0.25	1	18.2	DO-41
1N5935BP	27	13.9	23.0	700	0.25	1	20.6	DO-41
1N5936BP	30	12.5	28.0	750	0.25	1	22.8	DO-41
1N5937BP	33	11.4	33.0	800	0.25	1	25.1	DO-41
1N5938BP	36	10.4	38.0	850	0.25	1	27.4	DO-41
1N5939BP	39	9.6	45.0	900	0.25	1	29.7	DO-41
1N5940BP	43	8.7	53.0	950	0.25	1	32.7	DO-41
1N5941BP	47	8.0	67.0	1000	0.25	1	35.8	DO-41
1N5942BP	51	7.3	70.0	1100	0.25	1	38.8	DO-41
1N5943BP	56	6.7	86.0	1300	0.25	1	42.6	DO-41
1N5944BP	62	6.0	100.0	1500	0.25	1	47.1	DO-41
1N5945BP	68	5.5	120.0	1700	0.25	1	51.7	DO-41
1N5946BP	75	5.0	140.0	2000	0.25	1	56.0	DO-41
1N5947BP	82	4.6	160.0	2500	0.25	1	62.2	DO-41
1N5948BP	91	4.1	200.0	3000	0.25	1	69.2	DO-41
1N5949BP	100	3.7	250.0	3100	0.25	1	76.0	DO-41
1N5950BP	110	3.4	300.0	4000	0.25	1	83.6	DO-41
1N5951BP	120	3.1	380.0	4500	0.25	1	91.2	DO-41
1N5952BP	130	2.9	450.0	5000	0.25	1	98.8	DO-41
1N5953BP	150	2.5	600.0	6000	0.25	1	114.0	DO-41
1N5954BP	160	2.3	700.0	6500	0.25	1	121.6	DO-41
1N5955BP	180	2.1	900.0	7000	0.25	1	136.8	DO-41
1N5956BP	200	1.9	1200.0	8000	0.25	1	152.0	DO-41



DO-41

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current I <sub>R</sub> @ V <sub>R</sub>		Maximum DC Zener Current	Package
	V <sub>Z</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub>	Z <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	I <sub>ZM</sub>	
	V	mA	Ω	Ω	mA	μA	V	mA	
1N5918B	5.1	73.5	4.0	350	1.00	5	2.0	294	DO-41G
1N5919B	5.6	66.9	2.0	250	1.00	5	3.0	267	DO-41G
1N5920B	6.2	60.5	2.0	200	1.00	5	4.0	241	DO-41G
1N5921B	6.8	55.1	2.5	200	1.00	5	5.2	220	DO-41G
1N5922B	7.5	50.0	3.0	400	0.50	5	6.0	200	DO-41G
1N5923B	8.2	45.7	3.5	400	0.50	5	6.5	182	DO-41G
1N5924B	9.1	41.2	4.0	500	0.50	5	7.0	164	DO-41G
1N5925B	10	37.5	4.5	500	0.25	5	8.0	150	DO-41G
1N5926B	11	34.1	5.5	550	0.25	1	8.4	125	DO-41G
1N5927B	12	31.2	6.5	550	0.25	1	9.1	125	DO-41G
1N5928B	13	28.8	7.0	550	0.25	1	9.9	115	DO-41G
1N5929B	15	25.0	9.0	600	0.25	1	11.4	100	DO-41G
1N5930B	16	23.4	10.0	600	0.25	1	12.2	93	DO-41G
1N5931B	18	20.8	12.0	650	0.25	1	13.7	83	DO-41G
1N5932B	20	18.7	14.0	650	0.25	1	15.2	75	DO-41G
1N5933B	22	17.0	17.5	650	0.25	1	16.7	68	DO-41G
1N5934B	24	15.6	19.0	700	0.25	1	18.2	62	DO-41G
1N5935B	27	13.9	23.0	700	0.25	1	20.6	55	DO-41G
1N5936B	30	12.5	28.0	750	0.25	1	22.8	50	DO-41G
1N5937B	33	11.4	33.0	800	0.25	1	25.1	45	DO-41G
1N5938B	36	10.4	38.0	850	0.25	1	27.4	41	DO-41G
1N5939B	39	9.6	45.0	900	0.25	1	29.7	38	DO-41G
1N5940B	43	8.7	53.0	950	0.25	1	32.7	34	DO-41G
1N5941B	47	8.0	67.0	1000	0.25	1	35.8	31	DO-41G
1N5942B	51	7.3	70.0	1100	0.25	1	38.8	29	DO-41G



DO-41G

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current $I_R$ @ $V_R$		Maximum DC Zener Current	Package
	$V_Z$	$I_{ZT}$	$Z_{ZT}$	$Z_{ZK}$	$I_{ZK}$	$I_R$	$V_R$	$I_{ZM}$	
	V	mA	$\Omega$	$\Omega$	mA	$\mu A$	V	mA	
2EZ5.1D5	5.1	98.0	3.5	600	1.00	5.0	1.0	356	DO-41
2EZ5.6D5	5.6	89.5	2.5	500	1.00	5.0	2.0	324	DO-41
2EZ6.2D5	6.2	80.5	1.5	700	1.00	5.0	3.0	292	DO-41
2EZ6.8D5	6.8	73.5	2.0	700	1.00	5.0	4.0	266	DO-41
2EZ7.5D5	7.5	66.5	2.0	700	0.50	5.0	5.0	242	DO-41
2EZ8.2D5	8.2	61.0	2.3	700	0.50	5.0	6.0	220	DO-41
2EZ9.1D5	9.1	55.0	2.5	700	0.50	3.0	7.0	200	DO-41
2EZ10D5	10	50.0	3.5	700	0.25	3.0	7.6	182	DO-41
2EZ11D5	11	45.5	4.0	700	0.25	1.0	8.4	166	DO-41
2EZ12D5	12	41.5	4.5	700	0.25	1.0	9.1	152	DO-41
2EZ13D5	13	38.5	5.0	700	0.25	0.5	9.9	138	DO-41
2EZ14D5	14	35.7	5.5	700	0.25	0.5	10.6	130	DO-41
2EZ15D5	15	33.4	7.0	700	0.25	0.5	11.4	122	DO-41
2EZ16D5	16	31.2	8.0	700	0.25	0.5	12.2	114	DO-41
2EZ17D5	17	29.4	9.0	750	0.25	0.5	13.0	107	DO-41
2EZ18D5	18	27.8	10.0	750	0.25	0.5	13.7	100	DO-41
2EZ19D5	19	26.3	11.0	750	0.25	0.5	14.4	95	DO-41
2EZ20D5	20	25.0	11.0	750	0.25	0.5	15.2	90	DO-41
2EZ22D5	22	22.8	12.0	750	0.25	0.5	16.7	82	DO-41
2EZ24D5	24	20.8	13.0	750	0.25	0.5	18.2	76	DO-41
2EZ27D5	27	18.5	18.0	750	0.25	0.5	20.6	68	DO-41
2EZ30D5	30	16.6	20.0	1000	0.25	0.5	22.5	60	DO-41
2EZ33D5	33	15.1	23.0	1000	0.25	0.5	25.1	55	DO-41
2EZ36D5	36	13.9	25.0	1000	0.25	0.5	27.4	50	DO-41
2EZ39D5	39	12.8	30.0	1000	0.25	0.5	29.7	47	DO-41
2EZ43D5	43	11.6	35.0	1500	0.25	0.5	32.7	43	DO-41
2EZ47D5	47	10.6	40.0	1500	0.25	0.5	35.8	39	DO-41
2EZ51D5	51	9.8	48.0	1500	0.25	0.5	38.8	36	DO-41
2EZ56D5	56	9.0	55.0	2000	0.25	0.5	42.6	32	DO-41
2EZ62D5	62	8.1	60.0	2000	0.25	0.5	47.1	29	DO-41
2EZ68D5	68	7.4	75.0	2000	0.25	0.5	51.7	27	DO-41
2EZ75D5	75	6.7	90.0	2000	0.25	0.5	56.0	24	DO-41



DO-41

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current I <sub>R</sub> @ V <sub>R</sub>		Package
	V <sub>Z</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub>	Z <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	
	V	mA	Ω	Ω	mA	μA	V	
1N5918B3P	5.1	73.5	4.0	350	1.00	5	2.0	DO-41
1N5919B3P	5.6	66.9	2.0	250	1.00	5	3.0	DO-41
1N5920B3P	6.2	60.5	2.0	200	1.00	5	4.0	DO-41
1N5921B3P	6.8	55.1	2.5	200	1.00	5	5.2	DO-41
1N5922B3P	7.5	50.0	3.0	400	0.50	5	6.0	DO-41
1N5923B3P	8.2	45.7	3.5	400	0.50	5	6.5	DO-41
1N5924B3P	9.1	41.2	4.0	500	0.50	5	7.0	DO-41
1N5925B3P	10	37.5	4.5	500	0.25	5	8.0	DO-41
1N5926B3P	11	34.1	5.5	550	0.25	1	8.4	DO-41
1N5927B3P	12	31.2	6.5	550	0.25	1	9.1	DO-41
1N5928B3P	13	28.8	7.0	550	0.25	1	9.9	DO-41
1N5929B3P	15	25.0	9.0	600	0.25	1	11.4	DO-41
1N5930B3P	16	23.4	10.0	600	0.25	1	12.2	DO-41
1N5931B3P	18	20.8	12.0	650	0.25	1	13.7	DO-41
1N5932B3P	20	18.7	14.0	650	0.25	1	15.2	DO-41
1N5933B3P	22	17.0	17.5	650	0.25	1	16.7	DO-41
1N5934B3P	24	15.6	19.0	700	0.25	1	18.2	DO-41
1N5935B3P	27	13.9	23.0	700	0.25	1	20.6	DO-41
1N5936B3P	30	12.5	28.0	750	0.25	1	22.8	DO-41
1N5937B3P	33	11.4	33.0	800	0.25	1	25.1	DO-41
1N5938B3P	36	10.4	38.0	850	0.25	1	27.4	DO-41
1N5939B3P	39	9.6	45.0	900	0.25	1	29.7	DO-41
1N5940B3P	43	8.7	53.0	950	0.25	1	32.7	DO-41
1N5941B3P	47	8.0	67.0	1000	0.25	1	35.8	DO-41
1N5942B3P	51	7.3	70.0	1100	0.25	1	38.8	DO-41
1N5943B3P	56	6.7	86.0	1300	0.25	1	42.6	DO-41
1N5944B3P	62	6.0	100.0	1500	0.25	1	47.1	DO-41
1N5945B3P	68	5.5	120.0	1700	0.25	1	51.7	DO-41
1N5946B3P	75	5.0	140.0	2000	0.25	1	56.0	DO-41
1N5947B3P	82	4.6	160.0	2500	0.25	1	62.2	DO-41
1N5948B3P	91	4.1	200.0	3000	0.25	1	69.2	DO-41
1N5949B3P	100	3.7	250.0	3100	0.25	1	76.0	DO-41
1N5950B3P	110	3.4	300.0	4000	0.25	1	83.6	DO-41
1N5951B3P	120	3.1	380.0	4500	0.25	1	91.2	DO-41
1N5952B3P	130	2.9	450.0	5000	0.25	1	98.8	DO-41
1N5953B3P	150	2.5	600.0	6000	0.25	1	114.0	DO-41
1N5954B3P	160	2.3	700.0	6500	0.25	1	121.6	DO-41
1N5955B3P	180	2.1	900.0	7000	0.25	1	136.8	DO-41
1N5956B3P	200	1.9	1200.0	8000	0.25	1	152.0	DO-41



DO-41

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current $I_R$ @ $V_R$		Maximum Voltage Regulation	Package
	$V_Z$	$I_{ZT}$	$Z_{ZT}$	$Z_{ZK}$	$I_{ZK}$	$I_R$	$V_R$	$I_{ZM}$	
	V	mA	$\Omega$	$\Omega$	mA	$\mu A$	V	mA	
3EZ5.1D5	5.1	147.0	3.5	550	1	5.0	1.0	520	DO-15
3EZ5.6D5	5.6	134.0	2.5	600	1	5.0	2.0	480	DO-15
3EZ6.2D5	6.2	121.0	1.5	700	1	5.0	3.0	435	DO-15
3EZ6.8D5	6.8	110.0	2.0	700	1	5.0	4.0	393	DO-15
3EZ7.5D5	7.5	100.0	2.0	700	0.5	5.0	5.0	360	DO-15
3EZ8.2D5	8.2	91.0	2.3	700	0.5	5.0	6.0	330	DO-15
3EZ9.1D5	9.1	82.0	2.5	700	0.5	3.0	7.0	297	DO-15
3EZ10D5	10.0	75.0	3.5	700	0.25	3.0	7.6	270	DO-15
3EZ11D5	11.0	68.0	4.0	700	0.25	1.0	8.4	225	DO-15
3EZ12D5	12.0	63.0	4.5	700	0.25	1.0	9.4	246	DO-15
3EZ13D5	13.0	58.0	4.5	700	0.25	0.5	9.9	208	DO-15
3EZ14D5	14.0	53.0	5.0	700	0.25	0.5	10.6	193	DO-15
3EZ15D5	15.0	50.0	5.5	700	0.25	0.5	11.4	180	DO-15
3EZ16D5	16.0	47.0	5.5	700	0.25	0.5	12.2	169	DO-15
3EZ17D5	17.0	44.0	6.0	750	0.25	0.5	13.0	159	DO-15
3EZ18D5	18.0	42.0	6.0	750	0.25	0.5	13.7	150	DO-15
3EZ19D5	19.0	40.0	7.0	750	0.25	0.5	14.4	142	DO-15
3EZ20D5	20.0	37.0	7.0	750	0.25	0.5	15.2	135	DO-15
3EZ22D5	22.0	34.0	8.0	750	0.25	0.5	16.7	123	DO-15
3EZ24D5	24.0	31.0	9.0	750	0.25	0.5	18.2	112	DO-15
3EZ27D5	27.0	28.0	10.0	750	0.25	0.5	20.6	100	DO-15
3EZ28D5	28.0	27.0	12.0	750	0.25	0.5	21.0	96	DO-15
3EZ30D5	30.0	25.0	16.0	1000	0.25	0.5	22.5	90	DO-15
3EZ33D5	33.0	23.0	20.0	1000	0.25	0.5	25.1	82	DO-15
3EZ36D5	36.0	21.0	22.0	1000	0.25	0.5	27.4	75	DO-15
3EZ39D5	39.0	19.0	28.0	1000	0.25	0.5	29.7	69	DO-15
3EZ43D5	43.0	17.0	33.0	1500	0.25	0.5	32.7	63	DO-15
3EZ47D5	47.0	16.0	38.0	1500	0.25	0.5	35.6	57	DO-15
3EZ51D5	51.0	15.0	45.0	1500	0.25	0.5	38.8	53	DO-15
3EZ56D5	56.0	13.0	50.0	2000	0.25	0.5	42.6	48	DO-15
3EZ62D5	62.0	12.0	55.0	2000	0.25	0.5	47.1	44	DO-15
3EZ68D5	68.0	11.0	70.0	2000	0.25	0.5	51.7	40	DO-15
3EZ75D5	75.0	10.0	85.0	2000	0.25	0.5	56.0	36	DO-15



DO-15

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current I <sub>R</sub> @ V <sub>R</sub>		Maximum Voltage Regulation	Maximum Surge Current I <sub>ZSM</sub>	Package
	V <sub>Z</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub>	Z <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	I <sub>ZM</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA	A	
1N5338B	5.1	240.0	1.5	400	1	1.00	1.0	930.0	14.4	DO-15
1N5339B	5.6	220.0	1.0	400	1	1.00	2.0	865.0	13.4	DO-15
1N5340B	6.0	200.0	1.0	300	1	1.00	3.0	790.0	12.7	DO-15
1N5341B	6.2	200.0	1.0	200	1	1.00	3.0	765.0	12.4	DO-15
1N5342B	6.8	175.0	1.0	200	1	10.00	5.2	700.0	11.5	DO-15
1N5343B	7.5	175.0	1.5	200	1	10.00	5.7	630.0	10.7	DO-15
1N5344B	8.2	150.0	1.5	200	1	10.00	6.2	580.0	10.0	DO-15
1N5346B	9.1	150.0	2.0	150	1	7.50	6.9	520.0	9.2	DO-15
1N5347B	10.0	125.0	2.0	125	1	5.00	7.6	475.0	8.6	DO-15
1N5348B	11.0	125.0	2.5	125	1	5.00	8.4	430.0	8.0	DO-15
1N5349B	12.0	100.0	2.5	125	1	2.00	9.1	395.0	7.5	DO-15
1N5350B	13.0	100.0	2.5	100	1	1.00	9.9	365.0	7.0	DO-15
1N5351B	14.0	100.0	2.5	75	1	1.00	10.6	340.0	6.7	DO-15
1N5352B	15.0	75.0	2.5	75	1	1.00	11.5	315.0	6.3	DO-15
1N5353B	16.0	75.0	2.5	75	1	1.00	12.2	295.0	6.0	DO-15
1N5354B	17.0	70.0	2.5	75	1	0.50	12.9	280.0	5.8	DO-15
1N5355B	18.0	65.0	2.5	75	1	0.50	13.7	264.0	5.5	DO-15
1N5356B	19.0	65.0	3.0	75	1	0.50	14.4	250.0	5.3	DO-15
1N5357B	20.0	65.0	3.0	75	1	0.50	15.2	237.0	5.1	DO-15
1N5358B	22.0	50.0	3.5	75	1	0.50	16.7	216.0	4.7	DO-15
1N5359B	24.0	50.0	3.5	100	1	0.50	18.2	198.0	4.4	DO-15
1N5360B	25.0	50.0	4.0	110	1	0.50	19.0	190.0	4.3	DO-15
1N5361B	27.0	50.0	5.0	120	1	0.50	20.6	176.0	4.1	DO-15
1N5362B	28.0	50.0	6.0	130	1	0.50	21.2	170.0	3.9	DO-15
1N5363B	30.0	40.0	8.0	140	1	0.50	22.8	158.0	3.7	DO-15
1N5364B	33.0	40.0	10.0	150	1	0.50	25.1	144.0	3.5	DO-15
1N5365B	36.0	30.0	11.0	160	1	0.50	27.4	132.0	3.3	DO-15
1N5366B	39.0	30.0	14.0	170	1	0.50	29.7	122.0	3.1	DO-15
1N5367B	43.0	30.0	20.0	190	1	0.50	32.7	110.0	2.8	DO-15
1N5368B	47.0	25.0	25.0	210	1	0.50	35.8	100.0	2.7	DO-15
1N5369B	51.0	25.0	27.0	230	1	0.50	38.8	93.0	2.5	DO-15
1N5370B	56.0	20.0	35.0	280	1	0.50	42.6	86.0	2.3	DO-15
1N5371B	60.0	20.0	40.0	350	1	0.50	45.5	79.0	2.2	DO-15
1N5372B	62.0	20.0	42.0	400	1	0.50	47.1	76.0	2.1	DO-15
1N5373B	68.0	20.0	44.0	500	1	0.50	51.7	70.0	2.0	DO-15
1N5374B	75.0	20.0	45.0	620	1	0.50	56.0	63.0	1.9	DO-15
1N5375B	82.0	15.0	65.0	720	1	0.50	62.2	58.0	1.8	DO-15
1N5376B	87.0	15.0	75.0	760	1	0.50	66.0	54.5	1.7	DO-15
1N5377B	91.0	15.0	75.0	760	1	0.50	69.2	52.5	1.6	DO-15
1N5378B	100.0	12.0	90.0	800	1	0.50	76.0	47.5	1.5	DO-15
1N5379B	110.0	12.0	125.0	1000	1	0.50	83.6	43.0	1.4	DO-15
1N5380B	120.0	10.0	170.0	1150	1	0.50	91.2	39.5	1.3	DO-15
1N5381B	130.0	10.0	190.0	1250	1	0.50	98.8	36.6	1.2	DO-15



DO-15

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Leakage Current I <sub>R</sub> @ V <sub>R</sub>		Maximum Voltage Regulation	Maximum Surge Current I <sub>ZSM</sub>	Package
	V <sub>Z</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub>	Z <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	I <sub>ZM</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA	A	
1N5382B	140.0	8.0	230.0	1500	1	0.50	106.0	34.0	1.2	DO-15
1N5383B	150.0	8.0	330.0	1500	1	0.50	114.0	31.6	1.1	DO-15
1N5384B	160.0	8.0	350.0	1650	1	0.50	122.0	29.4	1.1	DO-15
1N5385B	170.0	8.0	380.0	1750	1	0.50	129.0	28.0	1.0	DO-15
1N5386B	180.0	5.0	430.0	1750	1	0.50	137.0	26.4	1.0	DO-15
1N5387B	190.0	5.0	450.0	1850	1	0.50	144.0	25.0	0.9	DO-15
1N5388B	200.0	5.0	480.0	1850	1	0.50	152.0	23.6	0.9	DO-15

Part Number	Zener Voltage			Maximum Zener Impedance			Maximum Reverse Current		Typical Temperature Coefficient @ I <sub>ZT</sub> =5mA mV/°C		Marking Code	Package	
	V <sub>Z</sub> @ I <sub>ZT</sub>			I <sub>ZT</sub>	Z <sub>ZT</sub> @ I <sub>ZT</sub>	Z <sub>ZK</sub> @ I <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	Min			Max
	Min (V)	Nom (V)	Max (V)	mA	Ω	Ω	mA	μA	V				
BZT52C2V4LP	2.2	2.4	2.6	5.0	100	600	1.0	50.0	1.0	-3.5	0.0	WX	SOD-882
BZT52C2V7LP	2.5	2.7	2.9	5.0	100	600	1.0	20.0	1.0	-3.5	0.0	W1	SOD-882
BZT52C3V0LP	2.8	3.0	3.2	5.0	95	600	1.0	10.0	1.0	-3.5	0.0	W2	SOD-882
BZT52C3V3LP	3.1	3.3	3.5	5.0	95	600	1.0	5.0	1.0	-3.5	0.0	W3	SOD-882
BZT52C3V6LP	3.4	3.6	3.8	5.0	90	600	1.0	5.0	1.0	-3.5	0.0	W4	SOD-882
BZT52C3V9LP	3.7	3.9	4.1	5.0	90	600	1.0	3.0	1.0	-3.5	0.0	W5	SOD-882
BZT52C4V3LP	4.0	4.3	4.6	5.0	90	600	1.0	3.0	1.0	-3.5	0.0	W6	SOD-882
BZT52C4V7LP	4.4	4.7	5.0	5.0	80	500	1.0	3.0	2.0	-3.5	0.2	W7	SOD-882
BZT52C5V1LP	4.8	5.1	5.4	5.0	60	480	1.0	2.0	2.0	-2.7	1.2	9Y	SOD-882
BZT52C5V6LP	5.2	5.6	6.0	5.0	40	400	1.0	1.0	2.0	-2.0	2.5	9A	SOD-882
BZT52C6V2LP	5.8	6.2	6.6	5.0	10	150	1.0	3.0	4.0	0.4	3.7	9B	SOD-882
BZT52C6V8LP	6.4	6.8	7.2	5.0	15	80	1.0	2.0	4.0	1.2	4.5	9C	SOD-882
BZT52C7V5LP	7.0	7.5	7.9	5.0	15	80	1.0	1.0	5.0	2.5	5.3	9D	SOD-882
BZT52C8V2LP	7.7	8.2	8.7	5.0	15	80	1.0	0.7	5.0	3.2	6.2	9E	SOD-882
BZT52C9V1LP	8.5	9.1	9.6	5.0	15	100	1.0	0.5	6.0	3.8	7.0	9F	SOD-882
BZT52C10LP	9.4	10.0	10.6	5.0	20	150	1.0	0.2	7.0	4.5	8.0	9G	SOD-882
BZT52C11LP	10.4	11.0	11.6	5.0	20	150	1.0	0.1	8.0	5.4	9.0	9H	SOD-882
BZT52C12LP	11.4	12.0	12.7	5.0	25	150	1.0	0.1	8.0	6.0	10.0	9J	SOD-882
BZT52C13LP	12.4	13.0	14.1	5.0	30	170	1.0	0.1	8.0	7.0	11.0	9K	SOD-882
BZT52C15LP	13.8	15.0	15.6	5.0	30	200	1.0	0.1	10.5	9.2	13.0	9L	SOD-882
BZT52C16LP	15.3	16.0	17.1	5.0	40	200	1.0	0.1	11.2	10.4	14.0	9M	SOD-882
BZT52C18LP	16.8	18.0	19.1	5.0	45	225	1.0	0.1	12.6	12.4	16.0	9N	SOD-882
BZT52C20LP	18.8	20.0	21.2	5.0	55	225	1.0	0.1	14.0	14.4	18.0	9P	SOD-882
BZT52C22LP	20.8	22.0	23.3	5.0	55	250	1.0	0.1	15.4	16.4	20.0	9R	SOD-882
BZT52C24LP	22.8	24.0	25.6	5.0	70	250	1.0	0.1	16.8	18.4	22.0	9S	SOD-882
BZT52C36LP	34.0	36.0	38.0	2.0	90	350	0.5	0.1	25.2	36.5	45.5	9W	SOD-882
BZT52C39LP	37.0	39.0	41.0	2.0	130	350	0.5	0.1	27.3	36.8	49.8	9X	SOD-882



DO-15



SOD-882

## ZENER DIODES

Part Number	Zener Voltage				Maximum Zener Impedance			Maximum Reverse Current		Typical Temperature Coefficient @ I <sub>ZTC</sub> =5mA mV/°C		Marking Code	Package
	V <sub>Z</sub> @ I <sub>ZT</sub>			I <sub>ZT</sub>	Z <sub>ZT</sub> @ I <sub>ZT</sub>	Z <sub>ZK</sub> @ I <sub>ZK</sub>	I <sub>ZK</sub>	IR	VR	Min	Max		
	Min (V)	Nom (V)	Max (V)	mA	Ω	Ω	mA	μA	V				
BZX784C2V4	2.2	2.4	2.6	5.0	100	600	1.0	50.0	1.0	-3.5	0.0	Z1	SOD-723
BZX784C2V7	2.5	2.7	2.9	5.0	100	600	1.0	20.0	1.0	-3.5	0.0	Z2	SOD-723
BZX784C3V0	2.8	3.0	3.2	5.0	95	600	1.0	10.0	1.0	-3.5	0.0	Z3	SOD-723
BZX784C3V3	3.1	3.3	3.5	5.0	95	600	1.0	5.0	1.0	-3.5	0.0	Z4	SOD-723
BZX784C3V6	3.4	3.6	3.8	5.0	90	600	1.0	5.0	1.0	-3.5	0.0	Z5	SOD-723
BZX784C3V9	3.7	3.9	4.1	5.0	90	600	1.0	3.0	1.0	-3.5	0.0	Z6	SOD-723
BZX784C4V3	4.0	4.3	4.6	5.0	90	600	1.0	3.0	1.0	-3.5	0.0	Z7	SOD-723
BZX784C4V7	4.4	4.7	5.0	5.0	80	500	1.0	3.0	2.0	-3.5	0.2	X1	SOD-723
BZX784C5V1	4.8	5.1	5.4	5.0	60	480	1.0	2.0	2.0	-2.7	1.2	X2	SOD-723
BZX784C5V6	5.2	5.6	6.0	5.0	40	400	1.0	1.0	2.0	-2.0	2.5	X3	SOD-723
BZX784C6V2	5.8	6.2	6.6	5.0	10	150	1.0	3.0	4.0	0.4	3.7	X4	SOD-723
BZX784C6V8	6.4	6.8	7.2	5.0	15	80	1.0	2.0	4.0	1.2	4.5	X5	SOD-723
BZX784C7V5	7.0	7.5	7.9	5.0	15	80	1.0	1.0	5.0	2.5	5.3	X6	SOD-723
BZX784C8V2	7.7	8.2	8.7	5.0	15	80	1.0	0.7	5.0	3.2	6.2	X7	SOD-723
BZX784C9V1	8.5	9.1	9.6	5.0	15	100	1.0	0.5	6.0	3.8	7.0	X8	SOD-723
BZX784C10	9.4	10.0	10.6	5.0	20	150	1.0	0.2	7.0	4.5	8.0	X9	SOD-723
BZX784C11	10.4	11.0	11.6	5.0	20	150	1.0	0.1	8.0	5.4	9.0	W1	SOD-723
BZX784C12	11.4	12.0	12.7	5.0	25	150	1.0	0.1	8.0	6.0	10.0	W2	SOD-723
BZX784C13	12.4	13.0	14.1	5.0	30	170	1.0	0.1	8.0	7.0	11.0	W3	SOD-723
BZX784C15	13.8	15.0	15.6	5.0	30	200	1.0	0.1	10.5	9.2	13.0	W4	SOD-723
BZX784C16	15.3	16.0	17.1	5.0	40	200	1.0	0.1	11.2	10.4	14.0	W5	SOD-723
BZX784C18	16.8	18.0	19.1	5.0	45	225	1.0	0.1	12.6	12.4	16.0	W6	SOD-723
BZX784C20	18.8	20.0	21.2	5.0	55	225	1.0	0.1	14.0	14.4	18.0	W7	SOD-723
BZX784C22	20.8	22.0	23.3	5.0	55	250	1.0	0.1	15.4	16.4	20.0	W8	SOD-723
BZX784C24	22.8	24.0	25.6	5.0	70	250	1.0	0.1	16.8	18.4	22.0	W9	SOD-723
BZX784C27	25.1	27.0	28.9	2.0	80	300	0.5	0.1	18.9	21.4	25.3	Y1	SOD-723
BZX784C30	28.0	30.0	32.0	2.0	80	300	0.5	0.1	21.0	24.4	29.4	Y2	SOD-723
BZX784C33	31.0	33.0	35.0	2.0	80	325	0.5	0.1	23.1	27.4	33.4	Y3	SOD-723
BZX784C36	34.0	36.0	38.0	2.0	90	350	0.5	0.1	25.2	30.4	37.4	Y4	SOD-723
BZX784C39	37.0	39.0	41.0	2.0	130	350	0.5	0.1	27.3	33.4	41.2	Y5	SOD-723



SOD-723

## ZENER DIODES

Part Number	Zener Voltage				Maximum Zener Impedance			Maximum Reverse Current		Typical Temperature Coefficient @ I <sub>ZT</sub> =5mA mV/°C		Marking Code	Package
	V <sub>Z</sub> @ I <sub>ZT</sub>			I <sub>ZT</sub>	Z <sub>ZT</sub> @ I <sub>ZT</sub>	Z <sub>ZK</sub> @ I <sub>ZK</sub>	I <sub>ZK</sub>	IR	VR	Min	Max		
	Min (V)	Nom (V)	Max (V)	mA	Ω	Ω	mA	μA	V				
BZX584B5V1	5.0	5.1	5.2	5.0	60	480	1.0	2.0	2.0	-2.7	1.2	Z22	SOD-523
BZX584B5V6	5.5	5.6	5.7	5.0	40	400	1.0	1.0	2.0	-2.0	2.5	Z23	SOD-523
BZX584B6V2	6.1	6.2	6.3	5.0	10	150	1.0	3.0	4.0	0.4	3.7	Z24	SOD-523
BZX584B6V8	6.7	6.8	6.9	5.0	15	80	1.0	2.0	4.0	1.2	4.5	Z25	SOD-523
BZX584B7V5	7.4	7.5	7.7	5.0	15	80	1.0	1.0	5.0	2.5	5.3	Z26	SOD-523
BZX584B8V2	8.0	8.2	8.4	5.0	15	80	1.0	0.7	5.0	3.2	6.2	Z27	SOD-523
BZX584B9V1	8.9	9.1	9.3	5.0	15	100	1.0	0.5	6.0	3.8	7.0	Z28	SOD-523
BZX584B10	9.8	10.0	10.2	5.0	20	150	1.0	0.2	7.0	4.5	8.0	Z29	SOD-523
BZX584B11	10.8	11.0	11.2	5.0	20	150	1.0	0.1	8.0	5.4	9.0	Y1	SOD-523
BZX584B12	11.8	12.0	12.2	5.0	25	150	1.0	0.1	8.0	6.0	10.0	Y2	SOD-523
BZX584B13	12.7	13.0	13.3	5.0	30	170	1.0	0.1	8.0	7.0	11.0	Y3	SOD-523
BZX584B15	14.7	15.0	15.3	5.0	30	200	1.0	0.1	10.5	9.2	13.0	Y4	SOD-523
BZX584B16	15.7	16.0	16.3	5.0	40	200	1.0	0.1	11.2	10.4	14.0	Y5	SOD-523
BZX584B18	17.6	18.0	18.4	5.0	45	225	1.0	0.1	12.6	12.4	16.0	Y6	SOD-523
BZX584B20	19.6	20.0	20.4	5.0	55	225	1.0	0.1	14.0	14.4	18.0	Y7	SOD-523
BZX584C2V4	2.4	2.2	2.6	5.0	100	600	1.0	50.0	1.0	-3.5	0.0	Z11	SOD-523
BZX584C2V7	2.7	2.5	2.9	5.0	100	600	1.0	20.0	1.0	-3.5	0.0	Z12	SOD-523
BZX584C3V0	3.0	2.8	3.2	5.0	95	600	1.0	10.0	1.0	-3.5	0.0	Z13	SOD-523
BZX584C3V3	3.3	3.1	3.5	5.0	95	600	1.0	5.0	1.0	-3.5	0.0	Z14	SOD-523
BZX584C3V6	3.6	3.4	3.8	5.0	90	600	1.0	5.0	1.0	-3.5	0.0	Z15	SOD-523
BZX584C3V9	3.9	3.7	4.1	5.0	90	600	1.0	3.0	1.0	-3.5	0.0	Z16	SOD-523
BZX584C4V3	4.3	4.0	4.6	5.0	90	600	1.0	3.0	1.0	-3.5	0.0	Z17	SOD-523
BZX584C4V7	4.7	4.4	5.0	5.0	80	500	1.0	3.0	2.0	-3.5	0.2	Z1	SOD-523
BZX584C5V1	5.1	4.8	5.4	5.0	60	480	1.0	2.0	2.0	-2.7	1.2	Z2	SOD-523
BZX584C5V6	5.6	5.2	6.0	5.0	40	400	1.0	1.0	2.0	-2.0	2.5	Z3	SOD-523
BZX584C6V2	6.2	5.8	6.6	5.0	10	150	1.0	3.0	4.0	0.4	3.7	Z4	SOD-523
BZX584C6V8	6.8	6.4	7.2	5.0	15	80	1.0	2.0	4.0	1.2	4.5	Z5	SOD-523
BZX584C7V5	7.5	7.0	7.9	5.0	15	80	1.0	1.0	5.0	2.5	5.3	Z6	SOD-523
BZX584C8V2	8.2	7.7	8.7	5.0	15	80	1.0	0.7	5.0	3.2	6.2	Z7	SOD-523
BZX584C9V1	9.1	8.5	9.6	5.0	15	100	1.0	0.5	6.0	3.8	7.0	Z8	SOD-523
BZX584C10	10.0	9.4	10.6	5.0	20	150	1.0	0.2	7.0	4.5	8.0	Z9	SOD-523
BZX584C11	11.0	10.4	11.6	5.0	20	150	1.0	0.1	8.0	5.4	9.0	Y1	SOD-523
BZX584C12	12.0	11.4	12.7	5.0	25	150	1.0	0.1	8.0	6.0	10.0	Y2	SOD-523
BZX584C13	13.0	12.4	14.1	5.0	30	170	1.0	0.1	8.0	7.0	11.0	Y3	SOD-523
BZX584C15	15.0	13.8	15.6	5.0	30	200	1.0	0.1	10.5	9.2	13.0	Y4	SOD-523
BZX584C16	16.0	15.3	17.1	5.0	40	200	1.0	0.1	11.2	10.4	14.0	Y5	SOD-523
BZX584C18	18.0	16.8	19.1	5.0	45	225	1.0	0.1	12.6	12.4	16.0	Y6	SOD-523
BZX584C20	20.0	18.8	21.2	5.0	55	225	1.0	0.1	14.0	14.4	18.0	Y7	SOD-523
BZX584C22	22.0	20.8	23.3	5.0	55	250	1.0	0.1	15.4	16.4	20.0	Y8	SOD-523
BZX584C24	24.0	22.8	25.6	5.0	70	250	1.0	0.1	16.8	18.4	22.0	Y9	SOD-523
BZX584C27	27.0	25.1	28.9	2.0	80	300	0.5	0.1	18.9	21.4	25.3	Y10	SOD-523
BZX584C30	30.0	28.0	32.0	2.0	80	300	0.5	0.1	21.0	24.4	29.4	Y11	SOD-523
BZX584C33	33.0	31.0	35.0	2.0	80	325	0.5	0.1	23.1	27.4	33.4	Y12	SOD-523
BZX584C36	36.0	34.0	38.0	2.0	90	350	0.5	0.1	25.2	30.4	37.4	Y13	SOD-523
BZX584C39	39.0	37.0	41.0	2.0	130	350	0.5	0.1	27.3	33.4	41.2	Y14	SOD-523



SOD-523

## ZENER DIODES

Part Number	Zener Voltage				Maximum Zener Impedance			Maximum Reverse Current		Typical Temperature Coefficient @ I <sub>ZTC</sub> =5mA mV/°C		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>			I <sub>ZT</sub>	Z <sub>ZT</sub> @I <sub>ZT</sub>	Z <sub>ZK</sub> @I <sub>ZK</sub>	I <sub>ZK</sub>	IR	VR	Min	Max		
	Min (V)	Nom (V)	Max (V)	mA	Ω	Ω	mA	μA	V				
BZT52C2V4T	2.3	2.4	2.6	5.0	100	1	600	50.0	1.0	-3.5	0.0	Z11	SOD-523
BZT52C2V7T	2.5	2.7	2.9	5.0	100	1	600	20.0	1.0	-3.5	0.0	Z12	SOD-523
BZT52C3V0T	2.8	3.0	3.2	5.0	95	1	600	10.0	1.0	-3.5	0.0	Z13	SOD-523
BZT52C3V3T	3.1	3.3	3.5	5.0	95	1	600	5.0	1.0	-3.5	0.0	Z14	SOD-523
BZT52C3V6T	3.4	3.6	3.8	5.0	90	1	600	5.0	1.0	-3.5	0.0	Z15	SOD-523
BZT52C3V9T	3.7	3.9	4.1	5.0	90	1	600	3.0	1.0	-3.5	0.0	Z16	SOD-523
BZT52C4V3T	4.0	4.3	4.6	5.0	90	1	600	3.0	1.0	-3.5	0.0	Z17	SOD-523
BZT52C4V7T	4.4	4.7	5.0	5.0	80	1	500	3.0	2.0	-3.5	0.2	Z1	SOD-523
BZT52C5V1T	4.8	5.1	5.4	5.0	60	1	480	2.0	2.0	-2.7	1.2	Z2	SOD-523
BZT52C5V6T	5.2	5.6	6.0	5.0	40	1	400	1.0	2.0	-2.0	2.5	Z3	SOD-523
BZT52C6V2T	5.8	6.2	6.6	5.0	10	1	150	3.0	4.0	0.4	3.7	Z4	SOD-523
BZT52C6V8T	6.4	6.8	7.2	5.0	15	1	80	2.0	4.0	1.2	4.5	Z5	SOD-523
BZT52C7V5T	7.0	7.5	7.9	5.0	15	1	80	1.0	5.0	2.5	5.3	Z6	SOD-523
BZT52C8V2T	7.7	8.2	8.7	5.0	15	1	80	0.7	5.0	3.2	6.2	Z7	SOD-523
BZT52C9V1T	8.5	9.1	9.6	5.0	15	1	100	0.5	6.0	3.8	7.0	Z8	SOD-523
BZT52C10T	9.4	10.0	10.6	5.0	20	1	150	0.2	7.0	4.5	8.0	Z9	SOD-523
BZT52C11T	10.4	11.0	11.6	5.0	20	1	150	0.1	8.0	5.4	9.0	Y1	SOD-523
BZT52C12T	11.4	12.0	12.7	5.0	25	1	150	0.1	8.0	6.0	10.0	Y2	SOD-523
BZT52C13T	12.4	13.0	14.1	5.0	30	1	170	0.1	8.0	7.0	11.0	Y3	SOD-523
BZT52C15T	13.8	15.0	15.6	5.0	30	1	200	0.1	10.5	9.2	13.0	Y4	SOD-523
BZT52C16T	15.3	16.0	17.1	5.0	40	1	200	0.1	11.2	10.4	14.0	Y5	SOD-523
BZT52C18T	16.8	18.0	19.1	5.0	45	1	225	0.1	12.6	12.4	16.0	Y6	SOD-523
BZT52C20T	18.8	20.0	21.2	5.0	55	1	225	0.1	14.0	14.4	18.0	Y7	SOD-523
BZT52C22T	20.8	22.0	23.3	5.0	55	1	250	0.1	15.4	16.4	20.0	Y8	SOD-523
BZT52C24T	22.8	24.0	25.6	5.0	70	1	250	0.1	16.8	18.4	22.0	Y9	SOD-523
BZT52C27T	25.1	27.0	28.9	2.0	80	0.5	300	0.1	18.9	21.4	25.3	Y10	SOD-523
BZT52C30T	28.0	30.0	32.0	2.0	80	0.5	300	0.1	21.0	24.4	29.4	Y11	SOD-523
BZT52C33T	31.0	33.0	35.0	2.0	80	0.5	325	0.1	23.1	27.4	33.4	Y12	SOD-523
BZT52C36T	34.0	36.0	38.0	2.0	90	0.5	350	0.1	25.2	30.4	37.4	Y13	SOD-523
BZT52C39T	37.0	39.0	41.0	2.0	130	0.5	350	0.1	27.3	33.4	41.2	Y14	SOD-523



SOD-523

## ZENER DIODES

Part Number	Zener Voltage			Maximum Zener Impedance				Maximum Reverse Current		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>			Z <sub>zT</sub> @I <sub>ZT</sub>		Z <sub>zK</sub> @I <sub>ZK</sub>		IR	VR		
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V		
BZT52B5V1JS	5.00	5.10	5.20	60	5	480	1	2.0	2.0	2W8	SOD-323
BZT52B5V6JS	5.49	5.60	5.71	40	5	400	1	1.0	2.0	2W9	SOD-323
BZT52B6V2JS	6.08	6.20	6.32	10	5	150	1	3.0	4.0	2WA/AZ	SOD-323
BZT52B6V8JS	6.66	6.80	6.94	15	5	80	1	2.0	4.0	2WB/BZ	SOD-323
BZT52B7V5JS	7.35	7.50	7.65	15	5	80	1	1.0	5.0	2WC/CZ	SOD-323
BZT52B8V2JS	8.04	8.20	8.36	15	5	80	1	0.7	5.0	2WD/DZ	SOD-323
BZT52B9V1JS	8.92	9.10	9.28	15	5	100	1	0.5	6.0	2WE/EZ	SOD-323
BZT52B10JS	9.80	10.00	10.20	20	5	150	1	0.2	7.0	2WF/FZ	SOD-323
BZT52B11JS	10.78	11.00	11.22	20	5	150	1	0.1	8.0	2WG/GZ	SOD-323
BZT52B12JS	11.76	12.00	12.24	25	5	150	1	0.1	8.0	2WH/HZ	SOD-323
BZT52B13JS	12.74	13.00	13.26	30	5	170	1	0.1	8.0	2WI/IJZ	SOD-323
BZT52B15JS	14.70	15.00	15.30	30	5	200	1	0.1	10.5	2WJ/KZ	SOD-323
BZT52B16JS	15.68	16.00	16.32	40	5	200	1	0.1	11.2	2WK/LZ	SOD-323
BZT52B18JS	17.64	18.00	18.36	45	5	225	1	0.1	12.6	2WL/MZ	SOD-323
BZT52B20JS	19.60	20.00	20.40	55	5	225	1	0.1	14.0	2WM/NZ	SOD-323
BZT52B22JS	21.56	22.00	22.44	51	5	235	1	0.045	15.4	PZ	SOD-323
BZT52B24JS	23.52	24.00	24.48	65	5	235	1	0.045	16.8	RZ	SOD-323
BZT52B27JS	26.46	27.00	27.54	75	5	282	0.5	0.045	18.9	SZ	SOD-323
BZT52B30JS	29.40	30.00	30.60	75	5	282	0.5	0.045	21.0	TZ	SOD-323
BZT52B33JS	32.34	33.00	33.66	75	5	306	0.5	0.045	23.0	UZ	SOD-323
BZT52B36JS	35.28	36.00	36.72	84	5	329	0.5	0.045	25.2	VZ	SOD-323
BZT52B39JS	38.22	39.00	39.78	122	5	329	0.5	0.045	27.3	WZ	SOD-323
BZT52B43JS	42.14	43.00	43.86	141	5	353	0.5	0.045	30.1	XZ	SOD-323
BZT52B47JS	46.06	47.00	47.94	160	5	353	0.5	0.045	33.0	YZ	SOD-323
BZT52B51JS	49.98	51.00	52.02	169	5	376	0.5	0.045	35.7	ZZ	SOD-323



SOD-323

## ZENER DIODES

Part Number	Zener Voltage			Maximum Zener Impedance				Maximum Reverse Current		Typical Temperature Coefficient @ I <sub>ZTC</sub> =5mA mV/°C		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>			Z <sub>ZT</sub> @I <sub>ZT</sub>		Z <sub>ZK</sub> @I <sub>ZK</sub>		IR	VR	Min	Max		
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V				
BZT52C2V4S	2.28	2.40	2.56	100	5	600	1.0	50.0	1.0	-3.5	0.0	WX	SOD-323
BZT52C2V7S	2.50	2.70	2.90	100	5	600	1.0	20.0	1.0	-3.5	0.0	W1	SOD-323
BZT52C3V0S	2.80	3.00	3.20	95	5	600	1.0	10.0	1.0	-3.5	0.0	W2	SOD-323
BZT52C3V3S	3.10	3.30	3.50	95	5	600	1.0	5.0	1.0	-3.5	0.0	W3	SOD-323
BZT52C3V6S	3.40	3.60	3.80	90	5	600	1.0	5.0	1.0	-3.5	0.0	W4	SOD-323
BZT52C3V9S	3.70	3.90	4.10	90	5	600	1.0	3.0	1.0	-3.5	0.0	W5	SOD-323
BZT52C4V3S	4.00	4.30	4.60	90	5	600	1.0	3.0	1.0	-3.5	0.0	W6	SOD-323
BZT52C4V7S	4.40	4.70	5.00	80	5	500	1.0	3.0	2.0	-3.5	0.2	W7	SOD-323
BZT52C5V1S	4.80	5.10	5.40	60	5	480	1.0	2.0	2.0	-2.7	1.2	W8	SOD-323
BZT52C5V6S	5.20	5.60	6.00	40	5	400	1.0	1.0	2.0	-2.0	2.5	W9	SOD-323
BZT52C6V2S	5.80	6.20	6.60	10	5	150	1.0	3.0	4.0	0.4	3.7	WA	SOD-323
BZT52C6V8S	6.40	6.80	7.20	15	5	80	1.0	2.0	4.0	1.2	4.5	WB	SOD-323
BZT52C7V5S	7.00	7.50	7.90	15	5	80	1.0	1.0	5.0	2.5	5.3	WC	SOD-323
BZT52C8V2S	7.70	8.20	8.70	15	5	80	1.0	0.7	5.0	3.2	6.2	WD	SOD-323
BZT52C9V1S	8.50	9.10	9.60	15	5	100	1.0	0.5	6.0	3.8	7.0	WE	SOD-323
BZT52C10S	9.40	10.00	10.60	20	5	150	1.0	0.2	7.0	4.5	8.0	WF	SOD-323
BZT52C11S	10.40	11.00	11.60	20	5	150	1.0	0.1	8.0	5.4	9.0	WG	SOD-323
BZT52C12S	11.40	12.00	12.70	25	5	150	1.0	0.1	8.0	6.0	10.0	WH	SOD-323
BZT52C13S	12.40	13.00	14.10	30	5	170	1.0	0.1	8.0	7.0	11.0	WI	SOD-323
BZT52C15S	13.80	15.00	15.60	30	5	200	1.0	0.1	10.5	9.2	13.0	WJ	SOD-323
BZT52C16S	15.30	16.00	17.10	40	5	200	1.0	0.1	11.2	10.4	14.0	WK	SOD-323
BZT52C18S	16.80	18.00	19.10	45	5	225	1.0	0.1	12.6	12.4	16.0	WL	SOD-323
BZT52C20S	18.80	20.00	21.20	55	5	225	1.0	0.1	14.0	14.4	18.0	WM	SOD-323
BZT52C22S	20.80	22.00	23.30	55	5	250	1.0	0.1	15.4	16.4	20.0	WN	SOD-323
BZT52C24S	22.80	24.00	25.60	70	5	250	1.0	0.1	16.8	18.4	22.0	WO	SOD-323
BZT52C27S	25.10	27.00	28.90	80	2	300	0.5	0.1	18.9	21.4	25.3	WP	SOD-323
BZT52C30S	28.00	30.00	32.00	80	2	300	0.5	0.1	21.0	24.4	29.4	WQ	SOD-323
BZT52C33S	31.00	33.00	35.00	80	2	325	0.5	0.1	23.1	27.4	33.4	WR	SOD-323
BZT52C36S	34.00	36.00	38.00	90	2	350	0.5	0.1	25.2	30.4	37.4	WS	SOD-323
BZT52C39S	37.00	39.00	41.00	130	2	350	0.5	0.1	27.3	33.4	41.2	WT	SOD-323



SOD-323

## ZENER DIODES

Part Number	Normal Zener Voltage	Test Current	Maximum Zener Impedance			Maximum Reverse Current		Maximum Zener Voltage Temp Coefficient 'B' Suffix Only	Marking Code	Package
	V <sub>Z</sub>	I <sub>ZT</sub>	Z <sub>1T</sub>	Z <sub>2K</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>			
	Nom (V)	mA	Ω	Ω	mA	μA	V	%/°C		
MMXZ5225B	3.0	20.0	29	1600	0.25	50.0	1.0	-0.075	C5	SOD-323
MMXZ5226B	3.3	20.0	28	1600	0.25	25.0	1.0	-0.070	G1	SOD-323
MMXZ5227B	3.6	20.0	24	1700	0.25	15.0	1.0	-0.065	G2	SOD-323
MMXZ5228B	3.9	20.0	23	1900	0.25	10.0	1.0	-0.060	G3	SOD-323
MMXZ5229B	4.3	20.0	22	2000	0.25	5.0	1.0	±0.055	G4	SOD-323
MMXZ5230B	4.7	20.0	19	1900	0.25	5.0	2.0	±0.030	G5	SOD-323
MMXZ5231B	5.1	20.0	17	1600	0.25	5.0	2.0	±0.030	E1	SOD-323
MMXZ5232B	5.6	20.0	11	1600	0.25	5.0	3.0	+0.038	E2	SOD-323
MMXZ5234B	6.2	20.0	7	1000	0.25	5.0	4.0	+0.045	E4	SOD-323
MMXZ5235B	6.8	20.0	5	750	0.25	3.0	5.0	+0.050	E5	SOD-323
MMXZ5236B	7.5	20.0	6	500	0.25	3.0	6.0	+0.058	F1	SOD-323
MMXZ5237B	8.2	20.0	8	500	0.25	3.0	6.5	+0.062	F2	SOD-323
MMXZ5239B	9.1	20.0	10	600	0.25	3.0	7.0	+0.068	F4	SOD-323
MMXZ5240B	10.0	20.0	17	600	0.25	3.0	8.0	+0.075	F5	SOD-323
MMXZ5241B	11.0	20.0	22	600	0.25	2.0	8.4	+0.076	H1	SOD-323
MMXZ5242B	12.0	20.0	30	600	0.25	1.0	9.1	+0.077	H2	SOD-323
MMXZ5243B	13.0	9.5	13	600	0.25	0.5	9.9	+0.079	H3	SOD-323
MMXZ5245B	15.0	8.5	16	600	0.25	0.1	11.0	+0.082	H5	SOD-323
MMXZ5246B	16.0	7.8	17	600	0.25	0.1	12.0	+0.083	J1	SOD-323
MMXZ5248B	18.0	7.0	21	600	0.25	0.1	14.0	+0.085	J3	SOD-323
MMXZ5250B	20.0	6.2	25	600	0.25	0.1	15.0	+0.086	J5	SOD-323
MMXZ5251B	22.0	5.6	29	600	0.25	0.1	17.0	+0.087	K1	SOD-323
MMXZ5252B	24.0	5.2	33	600	0.25	0.1	18.0	+0.088	K2	SOD-323
MMXZ5254B	27.0	4.6	41	600	0.25	0.1	21.0	+0.090	K4	SOD-323
MMXZ5255B	28.0	4.5	44	600	0.25	0.1	21.0	+0.091	K5	SOD-323
MMXZ5256B	30.0	4.2	49	600	0.25	0.1	23.0	+0.091	M1	SOD-323
MMXZ5257B	33.0	3.8	58	700	0.25	0.1	25.0	+0.092	M2	SOD-323
MMXZ5258B	36.0	3.4	70	700	0.25	0.1	27.0	+0.093	M3	SOD-323
MMXZ5259B	39.0	3.2	80	800	0.25	0.1	30.0	+0.094	M4	SOD-323



SOD-323

## ZENER DIODES

Part Number	Zener Voltage			Maximum Zener Impedance				Maximum Reverse Current		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>			Z <sub>ZT</sub> @I <sub>ZT</sub>		Z <sub>ZK</sub> @I <sub>ZK</sub>		IR	VR		
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V		
MMXZ5229C	4.21	4.30	4.39	22	20	2000	0.25	5.0	1.0	D4	SOD-323
MMXZ5230C	4.61	4.70	4.79	19	20	1900	0.25	5.0	2.0	D5	SOD-323
MMXZ5231C	5.00	5.10	5.20	17	20	1600	0.25	5.0	2.0	E1	SOD-323
MMXZ5232C	5.49	5.60	5.71	11	20	1600	0.25	5.0	3.0	E2	SOD-323
MMXZ5233C	5.88	6.00	6.12	7	20	1600	0.25	5.0	3.5	E3	SOD-323
MMXZ5234C	6.08	6.20	6.32	7	20	1000	0.25	5.0	4.0	E4	SOD-323
MMXZ5235C	6.66	6.80	6.94	5	20	750	0.25	3.0	5.0	E5	SOD-323
MMXZ5236C	7.35	7.50	7.65	6	20	500	0.25	3.0	6.0	F1	SOD-323
MMXZ5237C	8.04	8.20	8.36	8	20	500	0.25	3.0	6.0	F2	SOD-323
MMXZ5238C	8.53	8.70	8.87	8	20	600	0.25	3.0	6.5	F3	SOD-323
MMXZ5239C	8.92	9.10	9.28	10	20	600	0.25	3.0	6.5	F4	SOD-323
MMXZ5240C	9.80	10.00	10.20	17	20	600	0.25	3.0	8.0	F5	SOD-323
MMXZ5241C	10.78	11.00	11.22	22	20	600	0.25	2.0	8.4	H1	SOD-323
MMXZ5242C	11.76	12.00	12.24	30	20	600	0.25	1.0	9.1	H2	SOD-323
MMXZ5243C	12.74	13.00	13.26	13	9.5	600	0.25	0.5	9.9	H3	SOD-323
MMXZ5244C	13.72	14.00	14.28	15	9	600	0.25	0.1	10.5	H4	SOD-323
MMXZ5245C	14.70	15.00	15.30	16	8.5	600	0.25	0.1	11.0	H5	SOD-323
MMXZ5246C	15.68	16.00	16.32	17	7.8	600	0.25	0.1	12.0	J1	SOD-323
MMXZ5247C	16.66	17.00	17.34	19	7.5	600	0.25	0.1	13.0	J2	SOD-323
MMXZ5248C	17.64	18.00	18.36	21	7	600	0.25	0.1	14.0	J3	SOD-323
MMXZ5249C	18.62	19.00	19.38	23	6.6	600	0.25	0.1	14.0	J4	SOD-323
MMXZ5250C	19.60	20.00	20.40	25	6.2	600	0.25	0.1	15.0	J5	SOD-323
MMXZ5251C	21.56	22.00	22.44	29	5.6	600	0.25	0.1	17.0	K1	SOD-323
MMXZ5252C	23.52	24.00	24.48	33	5.2	600	0.25	0.1	18.0	K2	SOD-323
MMXZ5253C	24.50	25.00	25.50	35	5	600	0.25	0.1	19.0	K3	SOD-323
MMXZ5254C	26.46	27.00	27.54	41	5	600	0.25	0.1	21.0	K4	SOD-323
MMXZ5255C	27.44	28.00	28.56	44	4.5	600	0.25	0.1	21.0	K5	SOD-323
MMXZ5256C	29.40	30.00	30.60	49	4.2	600	0.25	0.1	23.0	M1	SOD-323
MMXZ5257C	32.34	33.00	33.66	58	3.8	700	0.25	0.1	25.0	M2	SOD-323
MMXZ5258C	35.28	36.00	36.72	70	3.4	700	0.25	0.1	27.0	M3	SOD-323
MMXZ5259C	38.22	39.00	39.78	80	3.2	800	0.25	0.1	30.0	M4	SOD-323
MMXZ5260C	42.14	43.00	43.86	93	3	900	0.25	0.1	33.0	M5	SOD-323
MMXZ5261C	46.06	47.00	47.94	105	2.7	1000	0.25	0.1	36.0	N1	SOD-323
MMXZ5262C	49.98	51.00	52.02	125	2.5	1100	0.25	0.1	39.0	N2	SOD-323



SOD-323

## ZENER DIODES

Part Number	Zener Voltage			Maximum Zener Impedance				Maximum Reverse Current		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>			Z <sub>zT</sub> @I <sub>ZT</sub>		Z <sub>zK</sub> @I <sub>ZK</sub>		IR	VR		
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V		
BZT52B2V4	2.35	2.40	2.45	85	5	600	1	100.0	1.0	W1	SOD-123
BZT52B2V7	2.64	2.70	2.75	83	5	600	1	75.0	1.0	W2	SOD-123
BZT52B3V0	2.94	3.00	3.06	95	5	600	1	50.0	1.0	W3	SOD-123
BZT52B3V3	3.23	3.30	3.37	95	5	600	1	25.0	1.0	W4	SOD-123
BZT52B3V6	3.52	3.60	3.67	95	5	600	1	15.0	1.0	W5	SOD-123
BZT52B3V9	3.82	3.90	3.98	95	5	600	1	10.0	1.0	W6	SOD-123
BZT52B4V3	4.21	4.30	4.39	95	5	600	1	5.0	1.0	W7/2W6	SOD-123
BZT52B4V7	4.61	4.70	4.79	78	5	500	1	5.0	2.0	W8/2W7	SOD-123
BZT52B5V1	5.00	5.10	5.20	60	5	480	1	0.1	0.8	W9/2W8	SOD-123
BZT52B5V6	5.49	5.60	5.71	40	5	400	1	0.1	1.0	WA/2W9	SOD-123
BZT52B6V2	6.08	6.20	6.32	10	5	150	1	0.1	2.0	WB/2WA	SOD-123
BZT52B6V8	6.66	6.80	6.94	8	5	80	1	0.1	3.0	WC/2WB	SOD-123
BZT52B7V5	7.35	7.50	7.65	7	5	80	1	0.1	5.0	WD/2WC	SOD-123
BZT52B8V2	8.04	8.20	8.36	7	5	80	1	0.1	6.0	WE/2WD	SOD-123
BZT52B9V1	8.92	9.10	9.28	10	5	100	1	0.1	7.0	WF/2WE	SOD-123
BZT52B10	9.80	10.00	10.20	15	5	150	1	0.1	7.5	WG/2WF	SOD-123
BZT52B11	10.78	11.00	11.22	20	5	150	1	0.1	8.5	WH/2WG	SOD-123
BZT52B12	11.76	12.00	12.24	20	5	150	1	0.1	9.0	WI/2WH	SOD-123
BZT52B13	12.74	13.00	13.30	25	5	170	1	0.1	10.0	WK/2WI	SOD-123
BZT52B15	14.70	15.00	15.30	30	5	200	1	0.1	11.0	WL/2WJ	SOD-123
BZT52B16	15.68	16.00	16.30	40	5	200	1	0.1	12.0	WM/2WK	SOD-123
BZT52B18	17.60	18.00	18.40	50	5	225	1	0.1	14.0	WN/2WL	SOD-123
BZT52B20	19.60	20.00	20.40	50	5	225	1	0.1	15.0	WO/2WM	SOD-123
BZT52B22	21.56	22.00	22.44	55	5	250	1	0.1	17.0	WP/2WN	SOD-123
BZT52B24	23.52	24.00	24.50	70	5	250	1	0.1	18.0	WR/2WO	SOD-123
BZT52B27	26.46	27.00	27.54	80	5	300	1	0.1	20.0	WS/2WP	SOD-123
BZT52B30	29.40	30.00	30.60	80	5	300	1	0.1	22.5	WT/2WQ	SOD-123
BZT52B33	32.34	33.00	33.70	80	5	325	1	0.1	25.0	WU/2WR	SOD-123
BZT52B36	35.28	36.00	36.72	90	5	350	1	0.1	27.0	WW/2WS	SOD-123
BZT52B39	38.22	39.00	39.80	90	5	350	1	0.1	29.0	WX/2WT	SOD-123
BZT52B43	42.14	43.00	43.86	100	5	375	1	0.1	32.0	WY	SOD-123
BZT52B47	46.06	47.00	47.94	100	5	375	1	0.1	35.0	WZ	SOD-123
BZT52B51	49.98	51.00	52.02	100	5	400	1	0.1	38.0	XA	SOD-123
BZT52B56	54.88	56.00	57.12	135	5	1000	1	0.1	42.0	X2	SOD-123
BZT52B62	60.76	62.00	63.24	150	5	1000	1	0.1	46.0	X3	SOD-123
BZT52B68	66.64	68.00	69.36	200	5	1000	1	0.1	51.0	X4	SOD-123
BZT52B75	73.50	75.00	76.50	250	5	1000	1	0.1	56.0	X5	SOD-123



SOD-123

## ZENER DIODES

Part Number	Zener Voltage			Maximum Zener Impedance				Maximum Reverse Current		Typical Temperature Coefficient @ I <sub>ZT</sub> mV/°C		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>			Z <sub>ZT</sub> @I <sub>ZT</sub>		Z <sub>ZK</sub> @I <sub>ZK</sub>		IR	VR	Min	Max		
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V				
BZT52C2V4	2.28	2.40	2.56	100	5	600	1	50.0	1.0	-3.5	0.0	WX	SOD-123
BZT52C2V7	2.50	2.70	2.90	100	5	600	1	20.0	1.0	-3.5	0.0	W1	SOD-123
BZT52C3V0	2.80	3.00	3.20	95	5	600	1	10.0	1.0	-3.5	0.0	W2	SOD-123
BZT52C3V3	3.10	3.30	3.50	95	5	600	1	5.0	1.0	-3.5	0.0	W3	SOD-123
BZT52C3V6	3.40	3.60	3.80	90	5	600	1	5.0	1.0	-3.5	0.0	W4	SOD-123
BZT52C3V9	3.70	3.90	4.10	90	5	600	1	3.0	1.0	-3.5	0.0	W5	SOD-123
BZT52C4V3	4.00	4.30	4.60	90	5	600	1	3.0	1.0	-3.5	0.0	W6	SOD-123
BZT52C4V7	4.40	4.70	5.00	80	5	500	1	3.0	2.0	-3.5	0.2	W7	SOD-123
BZT52C5V1	4.80	5.10	5.40	60	5	480	1	2.0	2.0	-2.7	1.2	W8	SOD-123
BZT52C5V6	5.20	5.60	6.00	40	5	400	1	1.0	2.0	-2.0	2.5	W9	SOD-123
BZT52C6V2	5.80	6.20	6.60	10	5	150	1	3.0	4.0	0.4	3.7	WA	SOD-123
BZT52C6V8	6.40	6.80	7.20	15	5	80	1	2.0	4.0	1.2	4.5	WB	SOD-123
BZT52C7V5	7.00	7.50	7.90	15	5	80	1	1.0	5.0	2.5	5.3	WC	SOD-123
BZT52C8V2	7.70	8.20	8.70	15	5	80	1	0.7	5.0	3.2	6.2	WD	SOD-123
BZT52C9V1	8.50	9.10	9.60	15	5	100	1	0.5	6.0	3.8	7.0	WE	SOD-123
BZT52C10	9.40	10.00	10.60	20	5	150	1	0.2	7.0	4.5	8.0	WF	SOD-123
BZT52C11	10.40	11.00	11.60	20	5	150	1	0.1	8.0	5.4	9.0	WG	SOD-123
BZT52C12	11.40	12.00	12.70	25	5	150	1	0.1	8.0	6.0	10.0	WH	SOD-123
BZT52C13	12.40	13.00	14.10	30	5	170	1	0.1	8.0	7.0	11.0	WI	SOD-123
BZT52C15	13.80	15.00	15.60	30	5	200	1	0.1	10.5	9.2	13.0	WJ	SOD-123
BZT52C16	15.30	16.00	17.10	40	5	200	1	0.1	11.2	10.4	14.0	WK	SOD-123
BZT52C18	16.80	18.00	19.10	45	5	225	1	0.1	12.6	12.4	16.0	WL	SOD-123
BZT52C20	18.80	20.00	21.20	55	5	225	1	0.1	14.0	14.4	18.0	WM	SOD-123
BZT52C22	20.80	22.00	23.30	55	5	250	1	0.1	15.4	16.4	20.0	WN	SOD-123
BZT52C24	22.80	24.00	25.60	70	5	250	1	0.1	16.8	18.4	22.0	WO	SOD-123
BZT52C27	25.10	27.00	28.90	80	2	300	0.5	0.1	18.9	21.4	25.3	WP	SOD-123
BZT52C30	28.00	30.00	32.00	80	2	300	0.5	0.1	21	24.4	29.4	WQ	SOD-123
BZT52C33	31.00	33.00	35.00	80	2	325	0.5	0.1	23.1	27.4	33.4	WR	SOD-123
BZT52C36	34.00	36.00	38.00	90	2	350	0.5	0.1	25.2	30.4	37.4	WS	SOD-123
BZT52C39	37.00	39.00	41.00	130	2	350	0.5	0.1	27.3	33.4	41.2	WT	SOD-123
BZT52C43	40.00	43.00	46.00	100	5	700	1	0.1	32	10	12	WU	SOD-123
BZT52C47	44.00	47.00	50.00	100	5	750	1	0.1	35	10	12	WV	SOD-123
BZT52C51	48.00	51.00	54.00	100	5	750	1	0.1	38	10	12	WW	SOD-123



SOD-123

## ZENER DIODES

Part Number	Zener Voltage				Maximum Reverse Current		Marking Code	Package
	V <sub>Z</sub>			I <sub>ZT</sub>	IR	VR		
	Min (V)	Nom (V)	Max (V)	mA	μA	V		
MMSZ4678	1.71	1.80	1.89	50	7.50	1.0	CC	SOD-123
MMSZ4679	1.90	2.00	2.10	50	5.00	1.0	CD	SOD-123
MMSZ4680	2.09	2.20	2.31	50	5.00	1.0	CE	SOD-123
MMSZ4681	2.28	2.40	2.52	50	2.00	1.0	CF	SOD-123
MMSZ4682	2.57	2.70	2.84	50	1.00	1.0	CH	SOD-123
MMSZ4683	2.85	3.00	3.15	50	0.80	1.0	CJ	SOD-123
MMSZ4684	3.14	3.30	3.47	50	7.50	1.5	CK	SOD-123
MMSZ4685	3.42	3.60	3.78	50	7.50	2.0	CM	SOD-123
MMSZ4686	3.71	3.90	4.10	50	5.00	2.0	CN	SOD-123
MMSZ4687	4.09	4.30	4.52	50	4.00	2.0	CP	SOD-123
MMSZ4688	4.47	4.70	4.94	50	10.00	3.0	CT	SOD-123
MMSZ4689	4.85	5.10	5.36	50	10.00	3.0	CU	SOD-123
MMSZ4690	5.32	5.60	5.88	50	10.00	4.0	CV	SOD-123
MMSZ4691	5.89	6.20	6.51	50	10.00	5.0	CA	SOD-123
MMSZ4692	6.46	6.80	7.14	50	10.00	5.1	CX	SOD-123
MMSZ4693	7.13	7.50	7.88	50	10.00	5.7	CY	SOD-123
MMSZ4694	7.79	8.20	8.61	50	10.00	6.2	CZ	SOD-123
MMSZ4695	8.27	8.70	9.14	50	10.00	6.6	DC	SOD-123
MMSZ4696	8.65	9.10	9.56	50	10.00	6.9	DD	SOD-123
MMSZ4697	9.50	10.00	10.50	50	10.00	7.6	DE	SOD-123
MMSZ4698	10.45	11.00	11.55	50	0.05	8.4	DF	SOD-123
MMSZ4699	11.40	12.00	12.60	50	0.05	9.1	DH	SOD-123
MMSZ4700	12.35	13.00	13.65	50	0.05	9.8	DJ	SOD-123
MMSZ4701	13.30	14.00	14.70	50	0.05	10.6	DK	SOD-123
MMSZ4702	14.25	15.00	15.75	50	0.05	11.4	DM	SOD-123
MMSZ4703	15.20	16.00	16.80	50	0.05	12.1	DN	SOD-123
MMSZ4704	16.15	17.00	17.85	50	0.05	12.9	DP	SOD-123
MMSZ4705	17.10	18.00	18.90	50	0.05	13.6	DT	SOD-123
MMSZ4706	18.05	19.00	19.95	50	0.05	14.4	DU	SOD-123
MMSZ4707	19.00	20.00	21.00	50	0.01	15.2	DV	SOD-123
MMSZ4708	20.90	22.00	23.10	50	0.01	16.7	DA	SOD-123
MMSZ4709	22.80	24.00	25.20	50	0.01	18.2	DX	SOD-123
MMSZ4710	23.75	25.00	26.25	50	0.01	19.0	DY	SOD-123
MMSZ4711	25.65	27.00	28.35	50	0.01	20.4	EA	SOD-123
MMSZ4712	26.60	28.00	29.40	50	0.01	21.2	EC	SOD-123
MMSZ4713	28.50	30.00	31.50	50	0.01	22.8	ED	SOD-123
MMSZ4714	31.35	33.00	34.65	50	0.01	25.0	EF	SOD-123
MMSZ4715	34.20	36.00	37.80	50	0.01	27.3	EF	SOD-123
MMSZ4716	37.05	39.00	40.95	50	0.01	29.6	EH	SOD-123



SOD-123

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Maximum Reverse Current		Maximum Zener Voltage Temp	Marking Code	Package
	V <sub>Z @ I<sub>ZT</sub></sub>	I <sub>ZT</sub>	Z <sub>1T</sub>	Z <sub>2K</sub>	I <sub>ZK</sub>	IR	VR			
	V	mA	Ω	Ω	mA	μA	V	%/°C		
MMSZ5221B	2.4	20	30	1200	0.25	100.0	1.0	-0.085	C1	SOD-123
MMSZ5222B	2.5	20	30	1250	0.25	100.0	1.0	-0.085	C2	SOD-123
MMSZ5223B	2.7	20	30	1300	0.25	75.0	1.0	-0.080	C3	SOD-123
MMSZ5225B	3.0	20	29	1600	0.25	50.0	1.0	-0.075	C5	SOD-123
MMSZ5226B	3.3	20	28	1600	0.25	25.0	1.0	-0.070	G1/ D1	SOD-123
MMSZ5227B	3.6	20	24	1700	0.25	15.0	1.0	-0.065	G2/ D2	SOD-123
MMSZ5228B	3.9	20	23	1900	0.25	10.0	1.0	-0.060	G3/ D3	SOD-123
MMSZ5229B	4.3	20	22	2000	0.25	5.0	1.0	±0.055	G4/ D4	SOD-123
MMSZ5230B	4.7	20	19	1900	0.25	5.0	2.0	±0.030	G5/ D5	SOD-123
MMSZ5231B	5.1	20	17	1600	0.25	5.0	2.0	±0.030	E1	SOD-123
MMSZ5232B	5.6	20	11	1600	0.25	5.0	3.0	0.038	E2	SOD-123
MMSZ5233B	6.0	20	7	1600	0.25	5.0	3.5	0.040	E3	SOD-123
MMSZ5234B	6.2	20	7	1000	0.25	5.0	4.0	0.045	E4	SOD-123
MMSZ5235B	6.8	20	5	750	0.25	3.0	5.0	0.050	E5	SOD-123
MMSZ5236B	7.5	20	6	500	0.25	3.0	6.0	0.058	F1	SOD-123
MMSZ5237B	8.2	20	8	500	0.25	3.0	6.5	0.062	F2	SOD-123
MMSZ5238B	8.7	20	8	600	0.25	3.0	6.5	0.065	F3	SOD-123
MMSZ5239B	9.1	20	10	600	0.25	3.0	7.0	0.068	F4	SOD-123
MMSZ5240B	10.0	20	17	600	0.25	3.0	8.0	0.075	F5	SOD-123
MMSZ5241B	11.0	20	22	600	0.25	2.0	8.4	0.076	H1	SOD-123
MMSZ5242B	12.0	20	30	600	0.25	1.0	9.1	0.077	H2	SOD-123
MMSZ5243B	13.0	9.5	13	600	0.25	0.5	9.9	0.079	H3	SOD-123
MMSZ5244B	14.0	9	15	600	0.25	0.1	10.5	0.081	H4	SOD-123
MMSZ5245B	15.0	8.5	16	600	0.25	0.1	11.0	0.082	H5	SOD-123
MMSZ5246B	16.0	7.8	17	600	0.25	0.1	12.0	0.083	J1	SOD-123
MMSZ5248B	18.0	7	21	600	0.25	0.1	14.0	0.085	J3	SOD-123
MMSZ5250B	20.0	6.2	25	600	0.25	0.1	15.0	0.086	J5	SOD-123
MMSZ5251B	22.0	5.6	29	600	0.25	0.1	17.0	0.087	K1	SOD-123
MMSZ5252B	24.0	5.2	33	600	0.25	0.1	18.0	0.088	K2	SOD-123
MMSZ5254B	27.0	4.6	41	600	0.25	0.1	21.0	0.090	K4	SOD-123
MMSZ5255B	28.0	4.5	44	600	0.25	0.1	21.0	0.091	K5	SOD-123
MMSZ5256B	30.0	4.2	49	600	0.25	0.1	23.0	0.091	M1	SOD-123
MMSZ5257B	33.0	3.8	58	700	0.25	0.1	25.0	0.092	M2	SOD-123
MMSZ5258B	36.0	3.4	70	700	0.25	0.1	27.0	0.093	M3	SOD-123
MMSZ5259B	39.0	3.2	80	800	0.25	0.1	30.0	0.094	M4	SOD-123
MMSZ5260B	43.0	3	93	900	0.25	0.1	33.0	0.095	M5	SOD-123
MMSZ5261B	47.0	2.7	105	1000	0.25	0.1	36.0	0.095	N1	SOD-123



SOD-123

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Maximum Reverse Current		Maximum Zener Voltage Temp Coefficient 'B' Suffix Only	Marking Code	Package
	V <sub>Z</sub> @ I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>zT</sub>	Z <sub>zK</sub>	I <sub>zK</sub>	I <sub>R</sub>	V <sub>R</sub>			
	V	mA	Ω	Ω	mA	μA	V	%/°C		
MMSZ5229C	4.3	20	22	2000	0.25	5.0	1.0	±0.055	2G4/D4	SOD-123
MMSZ5230C	4.7	20	19	1900	0.25	5.0	2.0	±0.030	2G5/D5	SOD-123
MMSZ5231C	5.1	20	17	1600	0.25	5.0	2.0	±0.030	2E1/E1	SOD-123
MMSZ5232C	5.6	20	11	1600	0.25	5.0	3.0	0.038	2E2/E2	SOD-123
MMSZ5233C	6.0	20	7	1600	0.25	5.0	3.5	0.040	2E3/E3	SOD-123
MMSZ5234C	6.2	20	7	1000	0.25	5.0	4.0	0.045	2E4/E4	SOD-123
MMSZ5235C	6.8	20	5	750	0.25	3.0	5.0	0.050	2E5/E5	SOD-123
MMSZ5236C	7.5	20	6	500	0.25	3.0	6.0	0.058	2F1/F1	SOD-123
MMSZ5237C	8.2	20	8	500	0.25	3.0	6.0	0.062	2F2/F2	SOD-123
MMSZ5238C	8.7	20	8	600	0.25	3.0	6.5	0.065	2F3/F3	SOD-123
MMSZ5239C	9.1	20	10	600	0.25	3.0	6.5	0.068	2F4/F4	SOD-123
MMSZ5240C	10.0	20	17	600	0.25	3.0	8.0	0.075	2F5/F5	SOD-123
MMSZ5241C	11.0	20	22	600	0.25	3.0	8.4	0.076	2H1/H1	SOD-123
MMSZ5242C	12.0	20	30	600	0.25	2.0	9.1	0.077	2H2/H2	SOD-123
MMSZ5243C	13.0	9.5	13	600	0.25	1.0	9.9	0.079	2H3/H3	SOD-123
MMSZ5244C	14.0	9	15	600	0.25	0.5	10.5	0.081	2H4/H4	SOD-123
MMSZ5245C	15.0	8.5	16	600	0.25	0.5	11.0	0.082	2H5/H5	SOD-123
MMSZ5246C	16.0	7.8	17	600	0.25	0.1	12.0	0.083	2J1/J1	SOD-123
MMSZ5248C	18.0	7	21	600	0.25	0.1	14.0	0.085	2J3/J3	SOD-123
MMSZ5250C	20.0	6.2	25	600	0.25	0.1	15.0	0.086	2J5/J5	SOD-123
MMSZ5251C	22.0	5.6	29	600	0.25	0.1	17.0	0.087	2K1/K1	SOD-123
MMSZ5252C	24.0	5.2	33	600	0.25	0.1	18.0	0.088	2K2/K2	SOD-123
MMSZ5254C	27.0	4.6	41	600	0.25	0.1	21.0	0.090	2K4/K4	SOD-123
MMSZ5255C	28.0	4.5	44	600	0.25	0.1	21.0	0.091	2K5/K5	SOD-123
MMSZ5256C	30.0	4.2	49	600	0.25	0.1	23.0	0.091	2M1/M1	SOD-123
MMSZ5257C	33.0	3.8	58	700	0.25	0.1	25.0	0.092	2M2/M2	SOD-123
MMSZ5258C	36.0	3.4	70	700	0.25	0.1	27.0	0.093	2M3/M3	SOD-123
MMSZ5259C	39.0	3.2	80	800	0.25	0.1	30.0	0.094	2M4/M4	SOD-123
MMSZ5260C	43.0	3	93	900	0.25	0.1	33.0	0.095	M5	SOD-123
MMSZ5261C	47.0	2.7	105	1000	0.25	0.1	36.0	0.095	N1	SOD-123



SOD-123

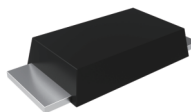
## ZENER DIODES

Part Number	Zener Voltage		Maximum Zener Impedance			Maximum Reverse Current		Surge Current	Maximum Regulator Current	Marking Code	Package
	V <sub>Z</sub> @ I <sub>ZT</sub>		Z <sub>1T</sub>	Z <sub>2K</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	I <sub>R</sub>	I <sub>ZM</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA	mA		
1N4733AW	5.1	49.0	7	550	1.0	10	1.0	890	178	733	SOD-123
1N4734AW	5.6	45.0	5	600	1.0	10	1.0	810	162	734	SOD-123
1N4749AW	24.0	10.5	25	750	0.3	5	18.2	190	38	749	SOD-123

Part Number	Zener Voltage			Maximum Zener Impedance			Maximum Reverse Current		Typical Temperature Coefficient @ I <sub>ZTC</sub> (%/°C)		Marking Code	Package	
	V <sub>Z</sub> @ I <sub>ZT</sub>			I <sub>ZT</sub>	Z <sub>T</sub>		I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>				
	Min (V)	Nom (V)	Max (V)	mA	TYP(Ω)	Max(Ω)	mA	μA	V	Min			Max
DFLZ6V2	5.8	6.2	6.4	100.0	1	3	100	5	2	-0.01	0.06	6V2	SOD-123FL
DFLZ6V8	6.4	6.8	7.2	100.0	1	3	100	5	3	0.00	0.07	6V8	SOD-123FL
DFLZ7V5	7.0	7.5	7.9	100.0	1	2	100	5	3	0.00	0.07	7V5	SOD-123FL
DFLZ8V2	7.7	8.2	8.7	100.0	1	2	100	5	3	0.03	0.08	8V2	SOD-123FL
DFLZ9V1	8.5	9.1	9.6	50.0	1	4	50	5	5	0.03	0.08	9V1	SOD-123FL
DFLZ10	9.4	10.0	10.6	50.0	1	4	50	5	7.5	0.05	0.09	Z10	SOD-123FL
DFLZ11	10.4	11.0	11.6	50.0	1	7	50	4	8.2	0.05	0.10	Z11	SOD-123FL
DFLZ12	11.4	12.0	12.7	50.0	1	7	50	3	9.1	0.05	0.10	Z12	SOD-123FL
DFLZ13	12.4	13.0	14.1	50.0	1	10	50	2	10	0.05	0.10	Z13	SOD-123FL
DFLZ15	13.8	15.0	15.6	50.0	1	10	50	1	11	0.05	0.10	Z15	SOD-123FL
DFLZ16	15.3	16.0	17.1	25.0	1	15	25	1	12	0.06	0.11	Z16	SOD-123FL
DFLZ18	16.8	18.0	19.1	25.0	2	15	25	1	13	0.06	0.11	Z18	SOD-123FL
DFLZ20	18.8	20.0	21.2	25.0	3	15	25	1	15	0.06	0.11	Z20	SOD-123FL
DFLZ22	20.8	22.0	23.3	25.0	3	15	25	1	16	0.06	0.11	Z22	SOD-123FL
DFLZ24	22.8	24.0	25.6	25.0	2	15	25	1	18	0.06	0.11	Z24	SOD-123FL
DFLZ27	25.1	27.0	28.9	25.0	3	15	25	1	20	0.06	0.11	Z27	SOD-123FL
DFLZ30	28.0	30.0	32.0	25.0	8	15	25	1	22	0.06	0.11	Z30	SOD-123FL
DFLZ33	31.0	33.0	35.0	25.0	5	15	25	1	24	0.06	0.11	Z33	SOD-123FL
DFLZ36	34.0	36.0	38.0	10.0	5	40	10	1	27	0.06	0.11	Z36	SOD-123FL
DFLZ39	37.0	39.0	41.0	10.0	5	40	10	1	30	0.06	0.11	Z39	SOD-123FL
DFLZ180	168.0	180.0	191.0	5.0	180	400	5	1	130	0.09	0.13	ZG	SOD-123FL
DFLZ200	188.0	200.0	212.0	5.0	200	500	5	1	150	0.09	0.13	ZH	SOD-123FL



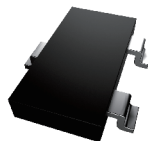
SOD-123



SOD-123FL

## ZENER DIODES

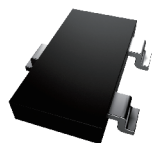
Part Number	Zener Voltage	Test Current	Maximum Zener Impedance				Maximum Reverse Current		Typical Temperature Coefficient	Marking Code	Package
	$V_Z @ I_{ZT}$	$I_{ZT}$	$Z_{ZT} @ I_{ZT}$		$Z_{ZK} @ I_{ZK}$		IR	VR			
	V	mA	$\Omega$	mA	$\Omega$	mA	$\mu A$	V	$T_c$ (%/°C)		
AZ23C2V7W	2.5-2.9	5.0	83	5.0	500	1.0	0.1	-	-0.065	KD1	SOT-323
AZ23C3V0W	2.8-3.2	5.0	95	5.0	500	1.0	0.1	-	-0.060	KD2	SOT-323
AZ23C3V3W	3.1-3.5	5.0	95	5.0	500	1.0	0.1	-	-0.055	KD3	SOT-323
AZ23C3V6W	3.4-3.8	5.0	95	5.0	500	1.0	0.1	-	-0.055	KD4	SOT-323
AZ23C3V9W	3.7-4.1	5.0	95	5.0	500	1.0	0.1	-	-0.050	KD5	SOT-323
AZ23C4V3W	4.0-4.6	5.0	95	5.0	500	1.0	0.1	-	-0.035	KD6	SOT-323
AZ23C4V7W	4.4-5.0	5.0	78	5.0	500	1.0	0.1	0.8	-0.015	KD7	SOT-323
AZ23C5V1W	4.8-5.4	5.0	60	5.0	480	1.0	0.1	1.0	+0.005	KD8	SOT-323
AZ23C5V6W	5.2-6.0	5.0	40	5.0	400	1.0	0.1	2.0	+0.020	KD9	SOT-323
AZ23C6V2W	5.8-6.6	5.0	10	5.0	200	1.0	0.1	3.0	+0.030	KDA	SOT-323
AZ23C6V8W	6.4-7.2	5.0	8	5.0	150	1.0	0.1	5.0	+0.045	KDB	SOT-323
AZ23C7V5W	7.0-7.9	5.0	7	5.0	50	1.0	0.1	6.0	+0.050	KDC	SOT-323
AZ23C8V2W	7.7-8.7	5.0	7	5.0	50	1.0	0.1	7.0	+0.055	KDD	SOT-323
AZ23C9V1W	8.5-9.6	5.0	10	5.0	50	1.0	0.1	7.5	+0.065	KDE	SOT-323
AZ23C10W	9.4-10.6	5.0	15	5.0	70	1.0	0.1	8.5	+0.065	KDF	SOT-323
AZ23C11W	10.4-11.6	5.0	20	5.0	70	1.0	0.1	9.0	+0.070	KDG	SOT-323
AZ23C12W	11.4-12.7	5.0	20	5.0	90	1.0	0.1	10.0	+0.075	KDH	SOT-323
AZ23C13W	12.4-14.1	5.0	25	5.0	110	1.0	0.1	11.0	+0.080	KDI	SOT-323
AZ23C15W	13.8-15.6	5.0	30	5.0	110	1.0	0.1	12.0	+0.080	KDJ	SOT-323
AZ23C16W	15.3-17.1	5.0	40	5.0	170	1.0	0.1	14.0	+0.090	KDK	SOT-323
AZ23C18W	16.8-19.1	5.0	50	5.0	170	1.0	0.1	15.0	+0.090	KDL	SOT-323
AZ23C20W	18.8-21.2	5.0	50	5.0	220	1.0	0.1	17.0	+0.090	KDM	SOT-323
AZ23C22W	20.8-23.3	5.0	55	5.0	220	1.0	0.1	18.0	+0.090	KDN	SOT-323
AZ23C24W	22.8-25.6	5.0	80	5.0	220	1.0	0.1	20.0	+0.090	KDO	SOT-323
AZ23C27W	25.1-28.9	5.0	80	5.0	250	1.0	0.1	22.5	+0.090	KDP	SOT-323
AZ23C30W	28-32	5.0	80	5.0	250	1.0	0.1	25.0	+0.090	KDQ	SOT-323
AZ23C33W	31-35	5.0	80	5.0	250	1.0	0.1	27.0	+0.090	KDR	SOT-323
AZ23C36W	34-38	5.0	90	5.0	250	1.0	0.1	29.0	+0.090	KDS	SOT-323
AZ23C39W	37-41	5.0	90	5.0	300	1.0	0.1	-	+0.110	KDT	SOT-323



SOT-323

## ZENER DIODES

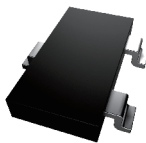
Part Number	Zener Voltage			Maximum Zener Impedance				Maximum Reverse Current		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>			Z <sub>ZT</sub> @I <sub>ZT</sub>		Z <sub>ZK</sub> @I <sub>ZK</sub>		IR	VR		
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V		
BZX84C2V4W	2.28	2.40	2.52	100	5	600	1	50.0	1.0	W1/KRB	SOT-323
BZX84C2V7W	2.50	2.70	2.90	100	5	600	1	20.0	1.0	W2/KRC	SOT-323
BZX84C3V3W	3.10	3.30	3.50	95	5	600	1	5.0	1.0	W4/KRE	SOT-323
BZX84C3V6W	3.40	3.60	3.80	90	5	600	1	5.0	1.0	W5/KRF	SOT-323
BZX84C3V9W	3.70	3.90	4.10	90	5	600	1	3.0	1.0	W6/KRG	SOT-323
BZX84C4V3W	4.00	4.30	4.60	90	5	600	1	3.0	1.0	W7/KRH	SOT-323
BZX84C4V7W	4.40	4.70	5.00	80	5	500	1	3.0	2.0	W8/KR1	SOT-323
BZX84C5V1W	4.80	5.10	5.40	60	5	480	1	2.0	2.0	W9/KR2	SOT-323
BZX84C5V6W	5.20	5.60	6.00	40	5	400	1	1.0	2.0	WA/KR3	SOT-323
BZX84C6V2W	5.80	6.20	6.60	10	5	150	1	3.0	4.0	WB/KR4	SOT-323
BZX84C6V8W	6.40	6.80	7.20	15	5	80	1	2.0	4.0	WC/KR5	SOT-323
BZX84C7V5W	7.00	7.50	7.90	15	5	80	1	1.0	5.0	WD/KR6	SOT-323
BZX84C8V2W	7.70	8.20	8.70	15	5	80	1	0.7	5.0	WE/KR7	SOT-323
BZX84C9V1W	8.50	9.10	9.60	15	5	100	1	0.5	6.0	WF/KR8	SOT-323
BZX84C10W	9.40	10.00	10.60	20	5	150	1	0.2	7.0	WG/KR9	SOT-323
BZX84C11W	10.40	11.00	11.60	20	5	150	1	0.1	8.0	WH/KP1	SOT-323
BZX84C12W	11.40	12.00	12.70	25	5	150	1	0.1	8.0	WI/KP2	SOT-323
BZX84C13W	12.40	13.00	14.10	30	5	170	1	0.1	8.0	WK/KP3	SOT-323
BZX84C15W	13.80	15.00	15.60	30	5	200	1	0.1	10.5	WL/KP4	SOT-323
BZX84C16W	15.30	16.00	17.10	40	5	200	1	0.1	11.2	WM/KP5	SOT-323
BZX84C18W	16.80	18.00	19.10	45	5	225	1	0.1	12.6	WN/KP6	SOT-323
BZX84C20W	18.80	20.00	21.20	55	5	225	1	0.1	14.0	WO/KP7	SOT-323
BZX84C22W	20.80	22.00	23.30	55	5	250	1	0.1	15.4	WP/KP8	SOT-323
BZX84C24W	22.80	24.00	25.60	70	5	250	1	0.1	16.8	WR/KP9	SOT-323
BZX84C27W	25.10	27.00	28.90	80	5	300	1	0.1	18.9	WS/KPA	SOT-323
BZX84C30W	28.00	30.00	32.00	80	5	300	1	0.1	21.0	WT/KPB	SOT-323
BZX84C33W	31.00	33.00	35.00	80	5	325	1	0.1	23.1	WU/KPC	SOT-323
BZX84C36W	34.00	36.00	38.00	90	5	350	1	0.1	25.2	WW/KPD	SOT-323
BZX84C39W	37.00	39.00	41.00	130	5	350	1	0.1	27.3	WX/KPE	SOT-323



SOT-323

## ZENER DIODES

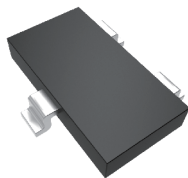
Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Max Reverse Current		Marking Code	Package
	$V_Z @ I_{ZT}$	$I_{ZT}$	$Z_{ZT}$	$Z_{ZK} @ I_{ZK}$		IR	VR		
	V	mA	$\Omega$	$\Omega$	mA	$\mu A$	V		
MMBZ5221BW	2.4	20.0	30	1200	0.25	100.0	1.0	KC1/C1	SOT-323
MMBZ5222BW	2.5	20.0	30	1250	0.25	100.0	1.0	KC2/C2	SOT-323
MMBZ5223BW	2.7	20.0	30	1300	0.25	75.0	1.0	KC3/C3	SOT-323
MMBZ5225BW	3.0	20.0	29	1600	0.25	50.0	1.0	KC5/C5	SOT-323
MMBZ5226BW	3.3	20.0	28	1600	0.25	25.0	1.0	KG1/D1	SOT-323
MMBZ5227BW	3.6	20.0	24	1700	0.25	15.0	1.0	KG2/D2	SOT-323
MMBZ5228BW	3.9	20.0	23	1900	0.25	10.0	1.0	KG3/D3	SOT-323
MMBZ5229BW	4.3	20.0	22	2000	0.25	5.0	1.0	KG4/D4	SOT-323
MMBZ5230BW	4.7	20.0	19	1900	0.25	5.0	2.0	KG5/D5	SOT-323
MMBZ5231BW	5.1	20.0	17	1600	0.25	5.0	2.0	KE1/E1	SOT-323
MMBZ5232BW	5.6	20.0	11	1600	0.25	5.0	3.0	KE2/E2	SOT-323
MMBZ5234BW	6.2	20.0	7	1000	0.25	5.0	4.0	KE4/E4	SOT-323
MMBZ5235BW	6.8	20.0	5	750	0.25	3.0	5.0	KE5/E5	SOT-323
MMBZ5236BW	7.5	20.0	6	500	0.25	3.0	6.0	KF1/F1	SOT-323
MMBZ5237BW	8.2	20.0	8	500	0.25	3.0	6.5	KF2/F2	SOT-323
MMBZ5239BW	9.1	20.0	10	600	0.25	3.0	7.0	KF4/F4	SOT-323
MMBZ5240BW	10.0	20.0	17	600	0.25	3.0	8.0	KF5/F5	SOT-323
MMBZ5241BW	11.0	20.0	22	600	0.25	2.0	8.4	KH1/H1	SOT-323
MMBZ5242BW	12.0	20.0	30	600	0.25	1.0	9.1	KH2/H2	SOT-323
MMBZ5243BW	13.0	9.5	13	600	0.25	0.5	9.9	KH3/H3	SOT-323
MMBZ5244BW	14.0	9.0	15	600	0.25	0.1	10.0	KH4/H4	SOT-323
MMBZ5245BW	15.0	8.5	16	600	0.25	0.1	11.0	KH5/H5	SOT-323
MMBZ5246BW	16.0	7.8	17	600	0.25	0.1	12.0	KJ1/J1	SOT-323
MMBZ5248BW	18.0	7.0	21	600	0.25	0.1	14.0	KJ3/J3	SOT-323
MMBZ5250BW	20.0	6.2	25	600	0.25	0.1	15.0	KJ5/J5	SOT-323
MMBZ5251BW	22.0	5.6	29	600	0.25	0.1	17.0	KK1/K1	SOT-323
MMBZ5252BW	24.0	5.2	33	600	0.25	0.1	18.0	KK2/K2	SOT-323
MMBZ5254BW	27.0	5.0	41	600	0.25	0.1	21.0	KK4/K4	SOT-323
MMBZ5255BW	28.0	4.5	44	600	0.25	0.1	21.0	KK5/K5	SOT-323
MMBZ5256BW	30.0	4.2	49	600	0.25	0.1	23.0	KM1/M1	SOT-323
MMBZ5257BW	33.0	3.8	58	700	0.25	0.1	25.0	KM2/M2	SOT-323
MMBZ5258BW	36.0	3.4	70	700	0.25	0.1	27.0	KM3/M3	SOT-323
MMBZ5259BW	39.0	3.2	80	800	0.25	0.1	30.0	KM4/M4	SOT-323



SOT-323

## ZENER DIODES

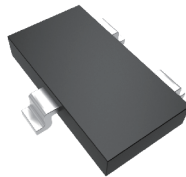
Part Number	Zener Voltage	Test Current	Maximum Zener Impedance				Maximum Reverse Current		Typical Temperature Coefficient	Marking Code	Package
	$V_Z @ I_{ZT}$	$I_{ZT}$	$Z_{ZT} @ I_{ZT}$		$Z_{ZK} @ I_{ZK}$		IR	VR			
	V	mA	$\Omega$	mA	$\Omega$	mA	$\mu A$	V	$T_c$ (%/°C)		
AZ23C2V7	2.5-2.9	5.0	83	5.0	500	1.0	0.1	-	-0.065	KD1	SOT-23
AZ23C3V0	2.8-3.2	5.0	95	5.0	500	1.0	0.1	-	-0.060	KD2	SOT-23
AZ23C3V3	3.1-3.5	5.0	95	5.0	500	1.0	0.1	-	-0.055	KD3	SOT-23
AZ23C3V6	3.4-3.8	5.0	95	5.0	500	1.0	0.1	-	-0.055	KD4	SOT-23
AZ23C3V9	3.7-4.1	5.0	95	5.0	500	1.0	0.1	-	-0.050	KD5	SOT-23
AZ23C4V3	4.0-4.6	5.0	95	5.0	500	1.0	0.1	-	-0.035	KD6	SOT-23
AZ23C4V7	4.4-5.0	5.0	78	5.0	500	1.0	0.1	0.8	-0.015	KD7	SOT-23
AZ23C5V1	4.8-5.4	5.0	60	5.0	480	1.0	0.1	1.0	+0.005	KD8	SOT-23
AZ23C5V6	5.2-6.0	5.0	40	5.0	400	1.0	0.1	2.0	+0.020	KD9	SOT-23
AZ23C6V2	5.8-6.6	5.0	10	5.0	200	1.0	0.1	3.0	+0.030	KDA	SOT-23
AZ23C6V8	6.4-7.2	5.0	8	5.0	150	1.0	0.1	5.0	+0.045	KDB	SOT-23
AZ23C7V5	7.0-7.9	5.0	7	5.0	50	1.0	0.1	6.0	+0.050	KDC	SOT-23
AZ23C8V2	7.7-8.7	5.0	7	5.0	50	1.0	0.1	7.0	+0.055	KDD	SOT-23
AZ23C9V1	8.5-9.6	5.0	10	5.0	50	1.0	0.1	7.5	+0.065	KDE	SOT-23
AZ23C10	9.4-10.6	5.0	15	5.0	70	1.0	0.1	8.5	+0.065	KDF	SOT-23
AZ23C11	10.4-11.6	5.0	20	5.0	70	1.0	0.1	9.0	+0.070	KDG	SOT-23
AZ23C12	11.4-12.7	5.0	20	5.0	90	1.0	0.1	10.0	+0.075	KDH	SOT-23
AZ23C13	12.4-14.1	5.0	25	5.0	110	1.0	0.1	11.0	+0.080	KDI	SOT-23
AZ23C15	13.8-15.6	5.0	30	5.0	110	1.0	0.1	12.0	+0.080	KDJ	SOT-23
AZ23C16	15.3-17.1	5.0	40	5.0	170	1.0	0.1	14.0	+0.090	KDK	SOT-23
AZ23C18	16.8-19.1	5.0	50	5.0	170	1.0	0.1	15.0	+0.090	KDL	SOT-23
AZ23C20	18.8-21.2	5.0	50	5.0	220	1.0	0.1	17.0	+0.090	KDM	SOT-23
AZ23C22	20.8-23.3	5.0	55	5.0	220	1.0	0.1	18.0	+0.090	KDN	SOT-23
AZ23C24	22.8-25.6	5.0	80	5.0	220	1.0	0.1	20.0	+0.090	KDO	SOT-23
AZ23C27	25.1-28.9	5.0	80	5.0	250	1.0	0.1	22.5	+0.090	KDP	SOT-23
AZ23C30	28-32	5.0	80	5.0	250	1.0	0.1	25.0	+0.090	KDQ	SOT-23
AZ23C33	31-35	5.0	80	5.0	250	1.0	0.1	27.0	+0.090	KDR	SOT-23
AZ23C36	34-38	5.0	90	5.0	250	1.0	0.1	29.0	+0.090	KDS	SOT-23
AZ23C39	37-41	5.0	90	5.0	300	1.0	0.1	32.0	+0.110	KDT	SOT-23
AZ23C43	40-46	5.0	100	5.0	700	1.0	0.1	35.0	+0.110	D30	SOT-23
AZ23C47	44-50	5.0	100	5.0	750	1.0	0.1	38.0	+0.110	D31	SOT-23
AZ23C51	48-54	5.0	100	5.0	750	1.0	0.1	-	+0.110	D32	SOT-23



SOT-23

## ZENER DIODES

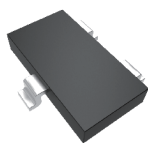
Part Number	Zener Voltage			Maximum Zener Impedance				Maximum Reverse Current		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>			Z <sub>ZT</sub> @I <sub>ZT</sub>		Z <sub>ZK</sub> @I <sub>ZK</sub>		IR	VR		
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V		
DZ23C2V4	2.28	2.40	2.52	85	5.0	600	1.0	100.0	1.0	V0	SOT-23
DZ23C2V7	2.57	2.70	2.84	83	5.0	600	1.0	75.0	1.0	V1/KV1	SOT-23
DZ23C3V0	2.85	3.00	3.15	95	5.0	600	1.0	50.0	1.0	V2/KV2	SOT-23
DZ23C3V3	3.14	3.30	3.47	95	5.0	600	1.0	25.0	1.0	V3/KV3	SOT-23
DZ23C3V6	3.42	3.60	3.78	95	5.0	600	1.0	15.0	1.0	V4/KV4	SOT-23
DZ23C3V9	3.71	3.90	4.10	95	5.0	600	1.0	10.0	1.0	V5/KV5	SOT-23
DZ23C4V3	4.09	4.30	4.52	95	5.0	600	1.0	5.0	1.0	V6/KV6	SOT-23
DZ23C4V7	4.47	4.70	4.94	78	5.0	500	1.0	5.0	2.0	V7/KV7	SOT-23
DZ23C5V1	4.85	5.10	5.36	60	5.0	480	1.0	0.1	0.8	V8/KV8	SOT-23
DZ23C5V6	5.32	5.60	5.88	40	5.0	400	1.0	0.1	1.0	V9/KV9	SOT-23
DZ23C6V2	5.89	6.20	6.51	10	5.0	150	1.0	0.1	2.0	V10/KVA	SOT-23
DZ23C6V8	6.46	6.80	7.14	8	5.0	80	1.0	0.1	3.0	V11/KVB	SOT-23
DZ23C7V5	7.13	7.50	7.88	7	5.0	80	1.0	0.1	5.0	V12/KVC	SOT-23
DZ23C8V2	7.79	8.20	8.61	7	5.0	80	1.0	0.1	6.0	V13/KVD	SOT-23
DZ23C9V1	8.65	9.10	9.56	10	5.0	100	1.0	0.1	7.0	V14/KVE	SOT-23
DZ23C10	9.50	10.00	10.50	15	5.0	150	1.0	0.1	7.5	V15/KVF	SOT-23
DZ23C11	10.45	11.00	11.55	20	5.0	150	1.0	0.1	8.5	V16/KVG	SOT-23
DZ23C12	11.40	12.00	12.60	20	5.0	150	1.0	0.1	9.0	V17/KVH	SOT-23
DZ23C13	12.35	13.00	13.65	25	5.0	170	1.0	0.1	10.0	V18/KVI	SOT-23
DZ23C14	13.30	14.00	14.70	25	5.0	170	1.0	0.1	10.5	VA	SOT-23
DZ23C15	14.25	15.00	15.75	30	5.0	200	1.0	0.1	11.0	V19/KVJ	SOT-23
DZ23C16	15.20	16.00	16.80	40	5.0	200	1.0	0.1	12.0	V20/KVK	SOT-23
DZ23C17	16.15	17.00	17.85	40	5.0	200	1.0	0.1	13.0	VB	SOT-23
DZ23C18	17.10	18.00	18.90	50	5.0	225	1.0	0.1	14.0	V21/KVL	SOT-23
DZ23C20	19.00	20.00	21.00	50	5.0	225	1.0	0.1	15.0	V22/KVM	SOT-23
DZ23C22	20.90	22.00	23.10	55	5.0	250	1.0	0.1	17.0	V23/KVN	SOT-23
DZ23C24	22.80	24.00	25.20	80	5.0	250	1.0	0.1	18.0	V24/KVO	SOT-23
DZ23C27	25.65	27.00	28.35	80	5.0	300	1.0	0.1	20.0	V25/KVP	SOT-23
DZ23C28	26.60	28.00	29.40	80	5.0	300	1.0	0.1	22.0	VC	SOT-23
DZ23C30	28.50	30.00	31.50	80	5.0	300	1.0	0.1	22.5	V26/KVQ	SOT-23
DZ23C33	31.35	33.00	34.65	80	5.0	325	1.0	0.1	25.0	V27/KVR	SOT-23
DZ23C36	34.20	36.00	37.80	90	5.0	350	1.0	0.1	27.0	V28/KVS	SOT-23
DZ23C39	37.05	39.00	40.95	90	5.0	350	1.0	0.1	29.0	V29/KVT	SOT-23
DZ23C43	40.85	43.00	45.15	100	5.0	700	1.0	0.1	32.0	V30/KVU	SOT-23
DZ23C47	44.65	47.00	49.35	100	5.0	750	1.0	0.1	35.0	V31/KVV	SOT-23
DZ23C51	48.45	51.00	53.55	100	5.0	750	1.0	0.1	38.0	V32/KVW	SOT-23
DZ23C56	53.20	56.00	58.80	135	2.5	1000	1.0	0.1	42.0	V33	SOT-23
DZ23C62	58.90	62.00	65.10	150	2.5	1000	1.0	0.1	46.0	V34	SOT-23
DZ23C68	64.60	68.00	71.40	200	2.5	1000	1.0	0.1	51.0	V35	SOT-23
DZ23C75	71.25	75.00	78.75	250	2.5	1000	1.0	0.1	56.0	V36	SOT-23



SOT-23

## ZENER DIODES

Part Number	Zener Voltage			Maximum Zener Impedance				Maximum Reverse Current		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>			Z <sub>ZT</sub> @I <sub>ZT</sub>		Z <sub>ZK</sub> @I <sub>ZK</sub>		IR	VR		
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V		
BZX84C2V4	2.28	2.40	2.52	100	5.0	600	1.0	50.0	1.0	W1/Z11	SOT-23
BZX84C2V7	2.50	2.70	2.90	100	5.0	600	1.0	20.0	1.0	W2/Z12	SOT-23
BZX84C3V0	2.80	3.00	3.20	95	5.0	600	1.0	10.0	1.0	W3/Z13	SOT-23
BZX84C3V3	3.10	3.30	3.50	95	5.0	600	1.0	5.0	1.0	W4/Z14	SOT-23
BZX84C3V6	3.40	3.60	3.80	90	5.0	600	1.0	5.0	1.0	W5/Z15	SOT-23
BZX84C3V9	3.70	3.90	4.10	90	5.0	600	1.0	3.0	1.0	W6/Z16	SOT-23
BZX84C4V3	4.00	4.30	4.60	90	5.0	600	1.0	3.0	1.0	W7/Z17	SOT-23
BZX84C4V7	4.40	4.70	5.00	80	5.0	500	1.0	3.0	2.0	W8/Z1	SOT-23
BZX84C5V1	4.80	5.10	5.40	60	5.0	480	1.0	2.0	2.0	W9/Z2	SOT-23
BZX84C5V6	5.20	5.60	6.00	40	5.0	400	1.0	1.0	2.0	WA/Z3	SOT-23
BZX84C6V2	5.80	6.20	6.60	10	5.0	150	1.0	3.0	4.0	WB/Z4	SOT-23
BZX84C6V8	6.40	6.80	7.20	15	5.0	80	1.0	2.0	4.0	WC/Z5	SOT-23
BZX84C7V5	7.00	7.50	7.90	15	5.0	80	1.0	1.0	5.0	WD/Z6	SOT-23
BZX84C8V2	7.70	8.20	8.70	15	5.0	80	1.0	0.7	5.0	WE/Z7	SOT-23
BZX84C9V1	8.50	9.10	9.60	15	5.0	100	1.0	0.5	6.0	WF/Z8	SOT-23
BZX84C10	9.40	10.00	10.60	20	5.0	150	1.0	0.2	7.0	WG/Z9	SOT-23
BZX84C11	10.40	11.00	11.60	20	5.0	150	1.0	0.1	8.0	WH/Y1	SOT-23
BZX84C12	11.40	12.00	12.70	25	5.0	150	1.0	0.1	8.0	WI/Y2	SOT-23
BZX84C13	12.40	13.00	14.10	30	5.0	170	1.0	0.1	8.0	WK/Y3	SOT-23
BZX84C15	13.80	15.00	15.60	30	5.0	200	1.0	0.1	10.5	WL/Y4	SOT-23
BZX84C16	15.30	16.00	17.10	40	5.0	200	1.0	0.1	11.2	WM/Y5	SOT-23
BZX84C18	16.80	18.00	19.10	45	5.0	225	1.0	0.1	12.6	WN/Y6	SOT-23
BZX84C20	18.80	20.00	21.20	55	5.0	225	1.0	0.1	14.0	WO/Y7	SOT-23
BZX84C22	20.80	22.00	23.30	55	5.0	250	1.0	0.1	15.4	WP/Y8	SOT-23
BZX84C24	22.80	24.00	25.60	70	5.0	250	1.0	0.1	16.8	WR/Y9	SOT-23
BZX84C27	25.10	27.00	28.90	80	2.0	300	1.0	0.1	18.9	WS/Y10	SOT-23
BZX84C30	28.00	30.00	32.00	80	2.0	300	1.0	0.1	21.0	WT/Y11	SOT-23
BZX84C33	31.00	33.00	35.00	80	2.0	325	1.0	0.1	23.1	WU/Y12	SOT-23
BZX84C36	34.00	36.00	38.00	90	2.0	350	1.0	0.1	25.2	WW/Y13	SOT-23
BZX84C39	37.00	39.00	41.00	130	2.0	350	1.0	0.1	27.3	WX/Y14	SOT-23
BZX84C43	40.85	43.00	45.15	150	5.0	375	1.0	0.1	30.1	WY/Y15	SOT-23
BZX84C47	44.65	47.00	49.35	170	5.0	375	1.0	0.1	32.9	WZ/Y16	SOT-23
BZX84C51	48.45	51.00	53.55	100	5.0	400	1.0	0.1	35.7	XA/Y17	SOT-23
BZX84C62	58.00	62.00	66.00	215	2.0	450	0.5	0.05	43.4	Y19	SOT-23
BZX84B4V3	4.21	4.30	4.39	90	5.0	600	1.0	3.0	1.0	W7	SOT-23
BZX84B4V7	4.61	4.70	4.79	80	5.0	500	1.0	3.0	2.0	W8/Z1	SOT-23
BZX84B5V1	5.00	5.10	5.20	60	5.0	480	1.0	2.0	2.0	W9/Z2	SOT-23
BZX84B5V6	5.49	5.60	5.71	40	5.0	400	1.0	1.0	2.0	WA/Z3	SOT-23
BZX84B6V2	6.08	6.20	6.32	10	5.0	150	1.0	3.0	4.0	WB/Z4	SOT-23
BZX84B6V8	6.66	6.80	6.94	15	5.0	80	1.0	2.0	4.0	WC/Z5	SOT-23
BZX84B7V5	7.35	7.50	7.65	15	5.0	80	1.0	1.0	5.0	WD/Z6	SOT-23
BZX84B8V2	8.04	8.20	8.36	15	5.0	80	1.0	0.7	5.0	WE/Z7	SOT-23
BZX84B9V1	8.92	9.10	9.28	15	5.0	100	1.0	0.5	6.0	WF/Z8	SOT-23
BZX84B10	9.80	10.00	10.20	20	5.0	150	1.0	0.2	7.0	WG/Z9	SOT-23
BZX84B11	10.78	11.00	11.22	20	5.0	150	1.0	0.1	8.0	WH/Y1	SOT-23
BZX84B12	11.76	12.00	12.24	25	5.0	150	1.0	0.1	8.0	WI/Y2	SOT-23
BZX84B13	12.74	13.00	13.26	30	5.0	170	1.0	0.1	8.0	WK/Y3	SOT-23
BZX84B15	14.70	15.00	15.30	30	5.0	200	1.0	0.1	10.5	WL/Y4	SOT-23



SOT-23

## ZENER DIODES

Part Number	Zener Voltage			Maximum Zener Impedance				Maximum Reverse Current		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>			Z <sub>ZT</sub> @I <sub>ZT</sub>		Z <sub>ZK</sub> @I <sub>ZK</sub>		I <sub>R</sub>	V <sub>R</sub>		
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V		
BZX84B16	15.68	16.00	16.32	40	5.0	200	1.0	0.1	11.2	WM/Y5	SOT-23
BZX84B18	17.64	18.00	18.36	45	5.0	225	1.0	0.1	12.6	WN/Y6	SOT-23
BZX84B20	19.60	20.00	20.40	55	5.0	225	1.0	0.1	14.0	WO/Y7	SOT-23
BZX84B22	21.56	22.00	22.44	55	5.0	250	1.0	0.1	15.4	WP/Y8	SOT-23
BZX84B24	23.52	24.00	24.48	70	5.0	250	1.0	0.1	16.8	WR/Y9	SOT-23
BZX84B27	26.46	27.00	27.54	80	5.0	300	1.0	0.1	18.9	WS/Y10	SOT-23
BZX84B30	29.40	30.00	30.60	80	5.0	300	1.0	0.1	21.0	WT/Y11	SOT-23
BZX84B33	32.34	33.00	33.66	80	5.0	325	1.0	0.1	23.1	WU/Y12	SOT-23
BZX84B36	35.28	36.00	36.72	90	5.0	350	1.0	0.1	25.2	WW/Y13	SOT-23
BZX84B39	38.22	39.00	39.78	130	5.0	350	1.0	0.1	27.3	WX/Y14	SOT-23
BZX84B43	42.14	43.00	43.86	150	5.0	375	1.0	0.1	30.1	WY	SOT-23
BZX84B47	46.06	47.00	47.94	170	5.0	375	1.0	0.1	32.9	WZ	SOT-23
BZX84B51	49.98	51.00	52.02	100	5.0	750	1.0	0.1	38.0	XA	SOT-23

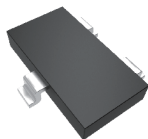
Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Max Reverse Current		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub>	Z <sub>ZK</sub> @I <sub>ZK</sub>		I <sub>R</sub>	V <sub>R</sub>		
	V	mA	Ω	Ω	mA	μA	V		
MMBZ5221B	2.4	20.0	30	1200	0.25	100.0	1.0	KC1/C1	SOT-23
MMBZ5222B	2.5	20.0	30	1250	0.25	100.0	1.0	KC2/C2	SOT-23
MMBZ5223B	2.7	20.0	30	1300	0.25	75.0	1.0	KC3/C3	SOT-23
MMBZ5225B	3.0	20.0	29	1600	0.25	50.0	1.0	KC5/C5	SOT-23
MMBZ5226B	3.3	20.0	28	1600	0.25	25.0	1.0	KG1/D1	SOT-23
MMBZ5227B	3.6	20.0	24	1700	0.25	15.0	1.0	KG2/D2	SOT-23
MMBZ5228B	3.9	20.0	23	1900	0.25	10.0	1.0	KG3/D3	SOT-23
MMBZ5229B	4.3	20.0	22	2000	0.25	5.0	1.0	KG4/D4	SOT-23
MMBZ5230B	4.7	20.0	19	1900	0.25	5.0	2.0	KG5/D5	SOT-23
MMBZ5231B	5.1	20.0	17	1600	0.25	5.0	2.0	KE1/E1	SOT-23
MMBZ5232B	5.6	20.0	11	1600	0.25	5.0	3.0	KE2/E2	SOT-23
MMBZ5233B	6.0	20.0	7	1600	0.25	5.0	3.5	KE3/E3	SOT-23
MMBZ5234B	6.2	20.0	7	1000	0.25	5.0	4.0	KE4/E4	SOT-23
MMBZ5235B	6.8	20.0	5	750	0.25	3.0	5.0	KE5/E5	SOT-23
MMBZ5236B	7.5	20.0	6	500	0.25	3.0	6.0	KF1/F1	SOT-23
MMBZ5237B	8.2	20.0	8	500	0.25	3.0	6.5	KF2/F2	SOT-23
MMBZ5238B	8.7	20.0	8	600	0.25	3.0	6.5	KF3/F3	SOT-23
MMBZ5239B	9.1	20.0	10	600	0.25	3.0	7.0	KF4/F4	SOT-23
MMBZ5240B	10.0	20.0	17	600	0.25	3.0	8.0	KF5/F5	SOT-23
MMBZ5241B	11.0	20.0	22	600	0.25	2.0	8.4	KH1/H1	SOT-23
MMBZ5242B	12.0	20.0	30	600	0.25	1.0	9.1	KH2/H2	SOT-23
MMBZ5243B	13.0	9.5	13	600	0.25	0.5	9.9	KH3/H3	SOT-23
MMBZ5244B	14.0	9.0	15	600	0.25	0.1	10.0	KH4/H4	SOT-23
MMBZ5245B	15.0	8.5	16	600	0.25	0.1	11.0	KH5/H5	SOT-23
MMBZ5246B	16.0	7.8	17	600	0.25	0.1	12.0	KJ1/J1	SOT-23
MMBZ5248B	18.0	7.0	21	600	0.25	0.1	14.0	KJ3/J3	SOT-23
MMBZ5250B	20.0	6.2	25	600	0.25	0.1	15.0	KJ5/J5	SOT-23
MMBZ5251B	22.0	5.6	29	600	0.25	0.1	17.0	KK1/K1	SOT-23
MMBZ5252B	24.0	5.2	33	600	0.25	0.1	18.0	KK2/K2	SOT-23
MMBZ5254B	27.0	5.0	41	600	0.25	0.1	21.0	KK4/K4	SOT-23
MMBZ5255B	28.0	4.5	44	600	0.25	0.1	21.0	KK5/K5	SOT-23
MMBZ5256B	30.0	4.2	49	600	0.25	0.1	23.0	KM1/M1	SOT-23
MMBZ5257B	33.0	3.8	58	700	0.25	0.1	25.0	KM2/M2	SOT-23
MMBZ5258B	36.0	3.4	70	700	0.25	0.1	27.0	KM3/M3	SOT-23
MMBZ5259B	39.0	3.2	80	800	0.25	0.1	30.0	KM4/M4	SOT-23



SOT-23

## ZENER DIODES

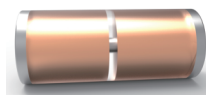
Part Number	Zener Voltage			Maximum Zener Impedance				Maximum Reverse Current		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>			Z <sub>ZT</sub> @I <sub>ZT</sub>		Z <sub>ZK</sub> @I <sub>ZK</sub>		IR	VR		
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V		
MMBZ5229C	4.21	4.30	4.39	22	20.0	2000	0.25	5.0	1.0	D4	SOT-23
MMBZ5230C	4.61	4.70	4.79	19	20.0	1900	0.25	5.0	2.0	D5	SOT-23
MMBZ5231C	5.00	5.10	5.20	17	20.0	1600	0.25	5.0	2.0	E1	SOT-23
MMBZ5232C	5.49	5.60	5.71	11	20.0	1600	0.25	5.0	3.0	E2	SOT-23
MMBZ5233C	5.88	6.00	6.12	7	20.0	1600	0.25	5.0	3.5	E3	SOT-23
MMBZ5234C	6.08	6.20	6.32	7	20.0	1000	0.25	5.0	4.0	E4	SOT-23
MMBZ5235C	6.66	6.80	6.94	5	20.0	750	0.25	3.0	5.0	E5	SOT-23
MMBZ5236C	7.35	7.50	7.65	6	20.0	500	0.25	3.0	6.0	F1	SOT-23
MMBZ5237C	8.04	8.20	8.36	8	20.0	500	0.25	3.0	6.0	F2	SOT-23
MMBZ5238C	8.53	8.70	8.87	8	20.0	600	0.25	3.0	6.5	F3	SOT-23
MMBZ5239C	8.92	9.10	9.28	10	20.0	600	0.25	3.0	6.5	F4	SOT-23
MMBZ5240C	9.80	10.00	10.20	17	20.0	600	0.25	3.0	8.0	F5	SOT-23
MMBZ5241C	10.78	11.00	11.22	22	20.0	600	0.25	2.0	8.4	H1	SOT-23
MMBZ5242C	11.76	12.00	12.24	30	20.0	600	0.25	1.0	9.1	H2	SOT-23
MMBZ5243C	12.74	13.00	13.26	13	9.5	600	0.25	0.5	9.9	H3	SOT-23
MMBZ5244C	13.72	14.00	14.28	15	9.0	600	0.25	0.1	10.5	H4	SOT-23
MMBZ5245C	14.70	15.00	15.30	16	8.5	600	0.25	0.1	11.0	H5	SOT-23
MMBZ5246C	15.68	16.00	16.32	17	7.8	600	0.25	0.1	12.0	J1	SOT-23
MMBZ5247C	16.66	17.00	17.34	19	7.5	600	0.25	0.1	13.0	J2	SOT-23
MMBZ5248C	17.64	18.00	18.36	21	7.0	600	0.25	0.1	14.0	J3	SOT-23
MMBZ5249C	18.62	19.00	19.38	23	6.6	600	0.25	0.1	14.0	J4	SOT-23
MMBZ5250C	19.60	20.00	20.40	25	6.2	600	0.25	0.1	15.0	J5	SOT-23
MMBZ5251C	21.56	22.00	22.44	29	5.6	600	0.25	0.1	17.0	K1	SOT-23
MMBZ5252C	23.52	24.00	24.48	33	5.2	600	0.25	0.1	18.0	K2	SOT-23
MMBZ5253C	24.50	25.00	25.50	35	5.0	600	0.25	0.1	19.0	K3	SOT-23
MMBZ5254C	26.46	27.00	27.54	41	5.0	600	0.25	0.1	21.0	K4	SOT-23
MMBZ5255C	27.44	28.00	28.56	44	4.5	600	0.25	0.1	21.0	K5	SOT-23
MMBZ5256C	29.40	30.00	30.60	49	4.2	600	0.25	0.1	23.0	M1	SOT-23
MMBZ5257C	32.34	33.00	33.66	58	3.8	700	0.25	0.1	25.0	M2	SOT-23
MMBZ5258C	35.28	36.00	36.72	70	3.4	700	0.25	0.1	27.0	M3	SOT-23
MMBZ5259C	38.22	39.00	39.78	80	3.2	800	0.25	0.1	30.0	M4	SOT-23
MMBZ5260C	42.14	43.00	43.86	93	3.0	900	0.25	0.1	33.0	M5	SOT-23
MMBZ5261C	46.06	47.00	47.94	105	2.7	1000	0.25	0.1	36.0	N1	SOT-23
MMBZ5262C	49.98	51.00	52.02	125	2.5	1100	0.25	0.1	39.0	N2	SOT-23



SOT-23

## ZENER DIODES

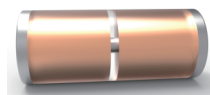
Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current			Max. Zener Voltage Temp Coefficient 'B' Suffix Only	Package
	V <sub>Z</sub> @I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub> @I <sub>ZT</sub>	Z <sub>ZK</sub> @I <sub>ZK</sub>		I <sub>R</sub>	I <sub>R</sub>	V <sub>R</sub>		
	Nom (V)	mA	Ω	Ω	mA	μA	μA	V	%/°C	
BZV55C2V0	2.0	5.0	100	600	1.0	150.0	300	1.0	-0.09 to -0.06	MINIMELF
BZV55C2V2	2.2	5.0	100	600	1.0	150.0	300	1.0	-0.09 to -0.06	MINIMELF
BZV55C2V4	2.4	5.0	85	600	1.0	50.0	100	1.0	-0.09 to -0.06	MINIMELF
BZV55C2V7	2.7	5.0	85	600	1.0	10.0	50	1.0	-0.09 to -0.06	MINIMELF
BZV55C3V0	3.0	5.0	85	600	1.0	4.0	40	1.0	-0.08 to -0.05	MINIMELF
BZV55C3V3	3.3	5.0	85	600	1.0	2.0	40	1.0	-0.08 to -0.05	MINIMELF
BZV55C3V6	3.6	5.0	85	600	1.0	2.0	40	1.0	-0.08 to -0.05	MINIMELF
BZV55C3V9	3.9	5.0	85	600	1.0	2.0	40	1.0	-0.08 to -0.05	MINIMELF
BZV55C4V3	4.3	5.0	75	600	1.0	1.0	20	1.0	-0.06 to -0.03	MINIMELF
BZV55C4V7	4.7	5.0	60	600	1.0	0.5	10	1.0	-0.05 to +0.02	MINIMELF
BZV55C5V1	5.1	5.0	35	550	1.0	0.1	2	1.0	-0.02 to +0.02	MINIMELF
BZV55C5V6	5.6	5.0	25	450	1.0	0.1	2	1.0	-0.05 to +0.05	MINIMELF
BZV55C6V2	6.2	5.0	10	200	1.0	0.1	2	2.0	0.03 to 0.06	MINIMELF
BZV55C6V8	6.8	5.0	8	150	1.0	0.1	2	3.0	0.03 to 0.07	MINIMELF
BZV55C7V5	7.5	5.0	7	50	1.0	0.1	2	5.0	0.03 to 0.07	MINIMELF
BZV55C8V2	8.2	5.0	7	50	1.0	0.1	2	6.2	0.03 to 0.08	MINIMELF
BZV55C9V1	9.1	5.0	10	50	1.0	0.1	2	6.8	0.03 to 0.09	MINIMELF
BZV55C10	10.0	5.0	15	70	1.0	0.1	2	7.5	0.03 to 0.1	MINIMELF
BZV55C11	11.0	5.0	20	70	1.0	0.1	2	8.2	0.03 to 0.11	MINIMELF
BZV55C12	12.0	5.0	20	90	1.0	0.1	2	9.1	0.03 to 0.11	MINIMELF
BZV55C13	13.0	5.0	26	110	1.0	0.1	2	10.0	0.03 to 0.11	MINIMELF
BZV55C15	15.0	5.0	30	110	1.0	0.1	2	11.0	0.03 to 0.11	MINIMELF
BZV55C16	16.0	5.0	40	170	1.0	0.1	2	12.0	0.03 to 0.11	MINIMELF
BZV55C18	18.0	5.0	50	170	1.0	0.1	2	13.0	0.03 to 0.11	MINIMELF
BZV55C20	20.0	5.0	55	220	1.0	0.1	2	15.0	0.03 to 0.11	MINIMELF
BZV55C22	22.0	5.0	55	220	1.0	0.1	2	16.0	0.04 to 0.12	MINIMELF
BZV55C24	24.0	5.0	80	220	1.0	0.1	2	18.0	0.04 to 0.12	MINIMELF
BZV55C27	27.0	5.0	80	220	1.0	0.1	2	20.0	0.04 to 0.12	MINIMELF
BZV55C30	30.0	5.0	80	220	1.0	0.1	2	22.0	0.04 to 0.12	MINIMELF
BZV55C33	33.0	5.0	80	220	1.0	0.1	2	24.0	0.04 to 0.12	MINIMELF
BZV55C36	36.0	5.0	80	220	1.0	0.1	2	27.0	0.04 to 0.12	MINIMELF
BZV55C39	39.0	2.5	90	500	0.5	0.1	5	30.0	0.04 to 0.12	MINIMELF
BZV55C43	43.0	2.5	90	600	0.5	0.1	5	33.0	0.04 to 0.12	MINIMELF
BZV55C47	47.0	2.5	110	700	0.5	0.1	5	36.0	0.04 to 0.12	MINIMELF
BZV55C51	51.0	2.5	125	700	0.5	0.1	10	39.0	0.04 to 0.12	MINIMELF
BZV55C56	56.0	2.5	135	1000	0.5	0.1	10	43.0	0.04 to 0.12	MINIMELF
BZV55C62	62.0	2.5	150	1000	0.5	0.1	10	47.0	0.04 to 0.12	MINIMELF
BZV55C68	68.0	2.5	200	1000	0.5	0.1	10	51.0	0.04 to 0.12	MINIMELF
BZV55C75	75.0	2.5	250	1500	0.5	0.1	10	56.0	0.04 to 0.12	MINIMELF



MINIMELF

## ZENER DIODES

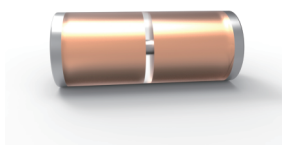
Part Number	Zener Voltage		Test Current		Maximum Zener Impedance			Reverse Current		Max. Zener Voltage Temp Coefficient 'B' Suffix Only	Package
	$V_Z @ I_{ZT}$	$I_{ZT}$	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$		IR	VR				
	V	mA	$\Omega$	$\Omega$	mA	$\mu A$	V	%/°C			
DL5221B	2.40	20.0	30	1200	0.25	100.0	1.0	-0.085	MINIMELF		
DL5222B	2.50	20.0	30	1250	0.25	100.0	1.0	-0.085	MINIMELF		
DL5223B	2.70	20.0	30	1300	0.25	75.0	1.0	-0.080	MINIMELF		
DL5224B	2.80	20.0	30	1400	0.25	75.0	1.0	-0.080	MINIMELF		
DL5225B	3.00	20.0	29	1600	0.25	50.0	1.0	-0.075	MINIMELF		
DL5226B	3.30	20.0	28	1600	0.25	25.0	1.0	-0.070	MINIMELF		
DL5227B	3.60	20.0	24	1700	0.25	15.0	1.0	-0.065	MINIMELF		
DL5228B	3.90	20.0	23	1900	0.25	10.0	1.0	-0.060	MINIMELF		
DL5229B	4.30	20.0	22	2000	0.25	5.0	1.0	$\pm 0.055$	MINIMELF		
DL5230B	4.70	20.0	19	1900	0.25	5.0	2.0	$\pm 0.030$	MINIMELF		
DL5231B	5.10	20.0	17	1600	0.25	5.0	2.0	$\pm 0.030$	MINIMELF		
DL5232B	5.60	20.0	11	1600	0.25	5.0	3.0	+0.038	MINIMELF		
DL5233B	6.00	20.0	7	1600	0.25	5.0	3.5	+0.038	MINIMELF		
DL5234B	6.20	20.0	7	1000	0.25	5.0	4.0	+0.045	MINIMELF		
DL5235B	6.80	20.0	5	750	0.25	3.0	5.0	+0.050	MINIMELF		
DL5236B	7.50	20.0	6	500	0.25	3.0	6.0	+0.058	MINIMELF		
DL5237B	8.20	20.0	8	500	0.25	3.0	6.5	+0.062	MINIMELF		
DL5238B	8.70	20.0	8	600	0.25	3.0	6.5	+0.065	MINIMELF		
DL5239B	9.10	20.0	10	600	0.25	3.0	7.0	+0.068	MINIMELF		
DL5240B	10.00	20.0	17	600	0.25	3.0	8.0	+0.075	MINIMELF		
DL5241B	11.00	20.0	22	600	0.25	2.0	8.4	+0.076	MINIMELF		
DL5242B	12.00	20.0	30	600	0.25	1.0	9.1	+0.077	MINIMELF		
DL5243B	13.00	9.5	13	600	0.25	0.5	9.9	+0.079	MINIMELF		
DL5244B	14.00	9.0	15	600	0.25	0.1	10.0	+0.082	MINIMELF		
DL5245B	15.00	8.5	16	600	0.25	0.1	11.0	+0.082	MINIMELF		
DL5246B	16.00	7.8	17	600	0.25	0.1	12.0	+0.083	MINIMELF		
DL5247B	17.00	7.4	19	600	0.25	0.1	13.0	+0.084	MINIMELF		
DL5248B	18.00	7.0	21	600	0.25	0.1	14.0	+0.085	MINIMELF		
DL5249B	19.00	6.6	23	600	0.25	0.1	14.0	+0.086	MINIMELF		
DL5250B	20.00	6.2	25	600	0.25	0.1	15.0	+0.086	MINIMELF		
DL5251B	22.00	5.6	29	600	0.25	0.1	17.0	+0.087	MINIMELF		
DL5252B	24.00	5.2	33	600	0.25	0.1	18.0	+0.088	MINIMELF		
DL5253B	25.00	5.0	35	600	0.25	0.1	19.0	+0.089	MINIMELF		
DL5254B	27.00	4.6	41	600	0.25	0.1	21.0	+0.090	MINIMELF		
DL5255B	28.00	4.5	44	600	0.25	0.1	21.0	+0.091	MINIMELF		
DL5256B	30.00	4.2	49	600	0.25	0.1	23.0	+0.091	MINIMELF		
DL5257B	33.00	3.8	58	700	0.25	0.1	25.0	+0.092	MINIMELF		
DL5258B	36.00	3.4	70	700	0.25	0.1	27.0	+0.093	MINIMELF		
DL5259B	39.00	3.2	80	800	0.25	0.1	30.0	+0.094	MINIMELF		
DL5260B	43.00	3.0	93	900	0.25	0.1	33.0	+0.095	MINIMELF		
DL5261B	47.00	2.7	105	1000	0.25	0.1	36.0	+0.095	MINIMELF		
DL5262B	51.00	2.5	125	1100	0.25	0.1	39.0	+0.096	MINIMELF		
DL5263B	56.00	2.2	150	1300	0.25	0.1	43.0	+0.096	MINIMELF		
DL5264B	60.00	2.1	170	1400	0.25	0.1	46.0	+0.097	MINIMELF		
DL5265B	62.00	2.0	185	1400	0.25	0.1	47.0	+0.097	MINIMELF		
DL5266B	68.00	1.8	230	1600	0.25	0.1	52.0	+0.097	MINIMELF		
DL5267B	75.00	1.7	270	1700	0.25	0.1	56.0	+0.098	MINIMELF		



MINIMELF

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Min Reverse Current		Maximum Zener Current	Surge Current	Package
	V <sub>Z @ I<sub>ZT</sub></sub>	I <sub>ZT</sub>	Z <sub>ZT @ I<sub>ZT</sub></sub>	Z <sub>ZK @ I<sub>ZK</sub></sub>		I <sub>R</sub>	V <sub>R</sub>	I <sub>ZM</sub>	I <sub>s</sub>	
	V	mA	Ω	Ω	mA	μA	V	mA	mA	
DL4728A	3.3	76.0	10.0	400	1.00	100	1.0	276	1280	GLASS MELF
DL4729A	3.6	69.0	10.0	400	1.00	100	1.0	252	1260	GLASS MELF
DL4730A	3.9	64.0	9.0	400	1.00	50	1.0	234	1190	GLASS MELF
DL4731A	4.3	58.0	9.0	400	1.00	10	1.0	217	1070	GLASS MELF
DL4732A	4.7	53.0	8.0	500	1.00	10	1.0	193	970	GLASS MELF
DL4733A	5.1	49.0	7.0	550	1.00	10	1.0	178	890	GLASS MELF
DL4734A	5.6	45.0	5.0	600	1.00	10	2.0	162	810	GLASS MELF
DL4735A	6.2	41.0	2.0	700	1.00	10	3.0	146	730	GLASS MELF
DL4736A	6.8	37.0	3.5	700	1.00	10	4.0	133	660	GLASS MELF
DL4737A	7.5	34.0	4.0	700	0.50	10	5.0	121	605	GLASS MELF
DL4738A	8.2	31.0	4.5	700	0.50	10	6.0	110	550	GLASS MELF
DL4739A	9.1	28.0	5.0	700	0.50	10	7.0	100	500	GLASS MELF
DL4740A	10.0	25.0	7.0	700	0.25	10	7.6	91	454	GLASS MELF
DL4741A	11.0	23.0	8.0	700	0.25	5	8.4	83	414	GLASS MELF
DL4742A	12.0	21.0	9.0	700	0.25	5	9.1	76	380	GLASS MELF
DL4743A	13.0	19.0	10.0	700	0.25	5	9.9	69	344	GLASS MELF
DL4744A	15.0	17.0	14.0	700	0.25	5	11.4	61	304	GLASS MELF
DL4745A	16.0	15.5	16.0	700	0.25	5	12.2	57	285	GLASS MELF
DL4746A	18.0	14.0	20.0	750	0.25	5	13.7	50	250	GLASS MELF
DL4747A	20.0	12.5	22.0	750	0.25	5	15.2	45	225	GLASS MELF
DL4748A	22.0	11.5	23.0	750	0.25	5	16.7	41	205	GLASS MELF
DL4749A	24.0	10.5	25.0	750	0.25	5	18.2	38	190	GLASS MELF
DL4750A	27.0	9.5	35.0	750	0.25	5	20.6	34	170	GLASS MELF
DL4751A	30.0	8.5	40.0	1000	0.25	5	22.8	30	150	GLASS MELF
DL4752A	33.0	7.5	45.0	1000	0.25	5	25.1	27	135	GLASS MELF
DL4753A	36.0	7.0	50.0	1000	0.25	5	27.4	25	125	GLASS MELF
DL4754A	39.0	6.5	60.0	1000	0.25	5	29.7	23	115	GLASS MELF
DL4755A	43.0	6.0	70.0	1500	0.25	5	32.7	22	110	GLASS MELF
DL4756A	47.0	5.5	80.0	1500	0.25	5	35.8	19	95	GLASS MELF
DL4757A	51.0	5.0	95.0	1500	0.25	5	38.8	18	90	GLASS MELF
DL4758A	56.0	4.5	110.0	2000	0.25	5	42.6	16	80	GLASS MELF
DL4759A	62.0	4.0	125.0	2000	0.25	5	47.1	14	70	GLASS MELF
DL4760A	68.0	3.7	150.0	2000	0.25	5	51.7	13	65	GLASS MELF
DL4761A	75.0	3.3	175.0	2000	0.25	5	56.0	12	60	GLASS MELF



GLASS MELF

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Marking Code	Package
	$V_z @ I_{ZT}$	$I_{ZT}$	$Z_{ZT} @ I_{ZT}$	$Z_{Zk} @ I_{Zk}$		IR	VR		
	V	mA	$\Omega$	$\Omega$	mA	$\mu A$	V		
SMAJ4728A	3.3	76.0	10.0	400	1.00	100	1.0	728A	DO-214AC
SMAJ4729A	3.6	69.0	10.0	400	1.00	100	1.0	729A	DO-214AC
SMAJ4730A	3.9	64.0	9.0	400	1.00	50	1.0	730A	DO-214AC
SMAJ4731A	4.3	58.0	9.0	400	1.00	10	1.0	731A	DO-214AC
SMAJ4732A	4.7	53.0	8.0	500	1.00	10	1.0	732A	DO-214AC
SMAJ4733A	5.1	49.0	7.0	550	1.00	10	1.0	733A	DO-214AC
SMAJ4734A	5.6	45.0	5.0	600	1.00	10	2.0	734A	DO-214AC
SMAJ4735A	6.2	41.0	2.0	700	1.00	10	3.0	735A	DO-214AC
SMAJ4736A	6.8	37.0	3.5	700	1.00	10	4.0	736A	DO-214AC
SMAJ4737A	7.5	34.0	4.0	700	0.50	10	5.0	737A	DO-214AC
SMAJ4738A	8.2	31.0	4.5	700	0.50	10	6.0	738A	DO-214AC
SMAJ4739A	9.1	28.0	5.0	700	0.50	10	7.0	739A	DO-214AC
SMAJ4740A	10.0	25.0	7.0	700	0.25	10	7.6	740A	DO-214AC
SMAJ4741A	11.0	23.0	8.0	700	0.25	5	8.4	741A	DO-214AC
SMAJ4742A	12.0	21.0	9.0	700	0.25	5	9.1	742A	DO-214AC
SMAJ4743A	13.0	19.0	10.0	700	0.25	5	9.9	743A	DO-214AC
SMAJ4744A	15.0	17.0	14.0	700	0.25	5	11.4	744A	DO-214AC
SMAJ4745A	16.0	15.5	16.0	700	0.25	5	12.2	745A	DO-214AC
SMAJ4746A	18.0	14.0	20.0	750	0.25	5	13.7	746A	DO-214AC
SMAJ4747A	20.0	12.5	22.0	750	0.25	5	15.2	747A	DO-214AC
SMAJ4748A	22.0	11.5	23.0	750	0.25	5	16.7	748A	DO-214AC
SMAJ4749A	24.0	10.5	25.0	750	0.25	5	18.2	749A	DO-214AC
SMAJ4750A	27.0	9.5	35.0	750	0.25	5	20.6	750A	DO-214AC
SMAJ4751A	30.0	8.5	40.0	1000	0.25	5	22.8	751A	DO-214AC
SMAJ4752A	33.0	7.5	45.0	1000	0.25	5	25.1	752A	DO-214AC
SMAJ4753A	36.0	7.0	50.0	1000	0.25	5	27.4	753A	DO-214AC
SMAJ4754A	39.0	6.5	60.0	1000	0.25	5	29.7	754A	DO-214AC
SMAJ4755A	43.0	6.0	70.0	1500	0.25	5	32.7	755A	DO-214AC
SMAJ4756A	47.0	5.5	80.0	1500	0.25	5	35.8	756A	DO-214AC
SMAJ4757A	51.0	5.0	95.0	1500	0.25	5	38.8	757A	DO-214AC
SMAJ4758A	56.0	4.5	110.0	2000	0.25	5	42.6	758A	DO-214AC
SMAJ4759A	62.0	4.0	125.0	2000	0.25	5	47.1	759A	DO-214AC
SMAJ4760A	68.0	3.7	150.0	2000	0.25	5	51.7	760A	DO-214AC
SMAJ4761A	75.0	3.3	175.0	2000	0.25	5	56.0	761A	DO-214AC
SMAJ4762A	82.0	3.0	200.0	3000	0.25	5	62.2	762A	DO-214AC
SMAJ4763A	91.0	2.8	250.0	3000	0.25	5	69.2	763A	DO-214AC
SMAJ4764A	100.0	2.5	350.0	3000	0.25	5	76.0	764A	DO-214AC
SMAJ4740AHE3	10.0	25.0	7.0	700	0.25	10	7.6	740A	DO-214AC
SMAJ4741AHE3	11.0	23.0	8.0	700	0.25	5	8.4	741A	DO-214AC
SMAJ4742AHE3	12.0	21.0	9.0	700	0.25	5	9.1	742A	DO-214AC
SMAJ4743AHE3	13.0	19.0	10.0	700	0.25	5	9.9	743A	DO-214AC
SMAJ4744AHE3	15.0	17.0	14.0	700	0.25	5	11.4	744A	DO-214AC
SMAJ4745AHE3	16.0	15.5	16.0	700	0.25	5	12.2	745A	DO-214AC
SMAJ4746AHE3	18.0	14.0	20.0	750	0.25	5	13.7	746A	DO-214AC
SMAJ4747AHE3	20.0	12.5	22.0	750	0.25	5	15.2	747A	DO-214AC
SMAJ4748AHE3	22.0	11.5	23.0	750	0.25	5	16.7	748A	DO-214AC
SMAJ4749AHE3	24.0	10.5	25.0	750	0.25	5	18.2	749A	DO-214AC



DO-214AC

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub> @I <sub>ZT</sub>	Z <sub>ZK</sub> @I <sub>ZK</sub>		IR	VR		
	V	mA	Ω	Ω	mA	μA	V		
SMAJ4750AHE3	27.0	9.5	35.0	750	0.25	5	20.6	750A	DO-214AC
SMAJ4751AHE3	30.0	8.5	40.0	1000	0.25	5	22.8	751A	DO-214AC
SMAJ4752AHE3	33.0	7.5	45.0	1000	0.25	5	25.1	752A	DO-214AC
SMAJ4753AHE3	36.0	7.0	50.0	1000	0.25	5	27.4	753A	DO-214AC
SMAJ4754AHE3	39.0	6.5	60.0	1000	0.25	5	29.7	754A	DO-214AC
SMAJ4755AHE3	43.0	6.0	70.0	1500	0.25	5	32.7	755A	DO-214AC
SMAJ4756AHE3	47.0	5.5	80.0	1500	0.25	5	35.8	756A	DO-214AC
SMAJ4757AHE3	51.0	5.0	95.0	1500	0.25	5	38.8	757A	DO-214AC
SMAJ4758AHE3	56.0	4.5	110.0	2000	0.25	5	42.6	758A	DO-214AC
SMAJ4759AHE3	62.0	4.0	125.0	2000	0.25	5	47.1	759A	DO-214AC
SMAJ4760AHE3	68.0	3.7	150.0	2000	0.25	5	51.7	760A	DO-214AC
SMAJ4761AHE3	75.0	3.3	175.0	2000	0.25	5	56.0	761A	DO-214AC
SMAJ4762AHE3	82.0	3.0	200.0	3000	0.25	5	62.2	762A	DO-214AC
SMAJ4763AHE3	91.0	2.8	250.0	3000	0.25	5	69.2	763A	DO-214AC
SMAJ4764AHE3	100.0	2.5	350.0	3000	0.25	5	76.0	764A	DO-214AC

Part Number	Zener Voltage			Maximum Zener Impedance				Maximum Reverse Current		Maximum Zener Current	Marking Code	Package
	V <sub>Z</sub>			Z <sub>ZT</sub> @I <sub>ZT</sub>		Z <sub>ZK</sub> @I <sub>ZK</sub>		IR	VR			
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V			
SMAZ5V1	4.84	5.10	5.40	5	100	500	1	2.5	1.0	196	Z5V1	DO-214AC
SMAZ5V6	5.32	5.60	5.88	2	100	250	2	5.0	2.0	179	Z5V6	DO-214AC
SMAZ6V2	5.89	6.20	6.51	2	100	200	2	5.0	3.0	161	Z6V2	DO-214AC
SMAZ6V8	6.46	6.80	7.14	2	100	200	1	5.0	4.0	147	Z6V8	DO-214AC
SMAZ7V5	7.13	7.50	7.88	2	100	450	1	5.0	5.0	133	Z7V5	DO-214AC
SMAZ8V2	7.79	8.20	8.61	2	100	200	1	5.0	6.0	122	Z8V2	DO-214AC
SMAZ9V1	8.65	9.10	9.56	4	50	200	1	5.0	7.0	110	Z9V1	DO-214AC
SMAZ10	9.50	10.00	10.50	4	50	200	1	1.0	7.6	100	Z10	DO-214AC
SMAZ12	11.40	12.00	12.60	7	50	150	1	1.0	9.1	83	Z12	DO-214AC
SMAZ15	14.25	15.00	15.75	10	50	150	1	1.0	11.4	67	Z15	DO-214AC
SMAZ16	15.20	16.00	16.80	15	25	150	1	0.5	12.2	63	Z16	DO-214AC
SMAZ18	17.10	18.00	18.90	15	25	150	1	0.5	13.7	56	Z18	DO-214AC
SMAZ20	19.00	20.00	21.00	15	25	180	1	0.5	15.2	50	Z20	DO-214AC
SMAZ22	20.90	22.00	23.10	15	25	180	1	0.5	16.7	45	Z22	DO-214AC
SMAZ24	22.80	24.00	25.20	15	25	180	1	0.5	18.2	42	Z24	DO-214AC
SMAZ27	25.65	27.00	28.35	15	25	200	1	0.5	20.5	37	Z27	DO-214AC
SMAZ30	28.50	30.00	31.50	15	25	250	1	0.5	22.8	33	Z30	DO-214AC
SMAZ33	31.35	33.00	34.65	15	25	300	1	0.5	25.1	30	Z33	DO-214AC
SMAZ36	34.20	36.00	37.80	40	10	350	1	0.5	27.4	28	Z36	DO-214AC
SMAZ39	37.05	39.00	40.95	40	10	450	1	0.5	29.6	26	Z39	DO-214AC
SMAZ10HE3	9.50	10.00	10.50	4	50	200	1	1.0	7.6	100	Z10	DO-214AC
SMAZ12HE3	11.40	12.00	12.60	7	50	150	1	1.0	9.1	83	Z12	DO-214AC
SMAZ15HE3	14.25	15.00	15.75	10	50	150	1	1.0	11.4	67	Z15	DO-214AC
SMAZ16HE3	15.20	16.00	16.80	15	25	150	1	0.5	12.2	63	Z16	DO-214AC
SMAZ18HE3	17.10	18.00	18.90	15	25	150	1	0.5	13.7	56	Z18	DO-214AC



DO-214AC

## ZENER DIODES

Part Number	Zener Voltage			Maximum Zener Impedance				Maximum Reverse Current		Maximum Zener Current	Marking Code	Package
	V <sub>Z</sub>			Z <sub>ZT</sub> @I <sub>ZT</sub>		Z <sub>ZK</sub> @I <sub>ZK</sub>		IR	VR			
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V			
SMAZ20HE3	19.00	20.00	21.00	15	25	180	1	0.5	15.2	50	Z20	DO-214AC
SMAZ22HE3	20.90	22.00	23.10	15	25	180	1	0.5	16.7	45	Z22	DO-214AC
SMAZ24HE3	22.80	24.00	25.20	15	25	180	1	0.5	18.2	42	Z24	DO-214AC
SMAZ27HE3	25.65	27.00	28.35	15	25	200	1	0.5	20.5	37	Z27	DO-214AC
SMAZ30HE3	28.50	30.00	31.50	15	25	250	1	0.5	22.8	33	Z30	DO-214AC
SMAZ33HE3	31.35	33.00	34.65	15	25	300	1	0.5	25.1	30	Z33	DO-214AC
SMAZ36HE3	34.20	36.00	37.80	40	10	350	1	0.5	27.4	28	Z36	DO-214AC
SMAZ39HE3	37.05	39.00	40.95	40	10	450	1	0.5	29.6	26	Z39	DO-214AC

Part Number	Zener Voltage	Maximum Zener Impedance				Reverse Current		Maximum Zener Current	Surge Current @TA=25	Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>	Z <sub>ZT</sub> @I <sub>ZT</sub>		Z <sub>ZK</sub> @I <sub>ZK</sub>		IR	VR	I <sub>ZM</sub>	I <sub>ZSM-A</sub>		
	V	Ω	mA	Ω	mA	μA	V	mA	mA		
SMA1EZ110D5	110	450	2.3	4000	0.25	0.1	83.6	8.6	40	11Z	DO-214AC
SMA1EZ120D5	120	550	2	4500	0.25	0.1	91.2	7.8	37	12Z	DO-214AC
SMA1EZ130D5	130	700	1.9	5000	0.25	0.1	98.8	7	34	13Z	DO-214AC
SMA1EZ150D5	150	1000	1.7	6000	0.25	0.1	114.0	6.4	30	15Z	DO-214AC
SMA1EZ160D5	160	1100	1.6	6500	0.25	0.1	121.6	5.8	28	16Z	DO-214AC
SMA1EZ180D5	180	1200	1.4	7000	0.25	0.1	136.8	5.2	25	8Z	DO-214AC
SMA1EZ200D5	200	1900	1.2	9990	0.25	0.1	152.0	4.7	22	20Z	DO-214AC
SMA1EZ220D5	220	1600	1	8000	0.25	0.1	167.2	4	20	22Z	DO-214AC
SMA1EZ240D5	240	1800	0.9	8500	0.25	0.1	182.4	3.8	19	24Z	DO-214AC
SMA1EZ250D5	250	2000	0.9	9000	0.25	0.1	190.0	3.6	18	25Z	DO-214AC
SMA1EZ270D5	270	2100	0.8	9000	0.25	0.1	205.0	3.3	16	27Z	DO-214AC
SMA1EZ300D5	300	2300	0.8	9500	0.25	0.1	228.0	3	15	30Z	DO-214AC
SMA1EZ330D5	330	2500	0.7	9500	0.25	0.1	250.2	2.7	13	33Z	DO-214AC
SMA1EZ110D5HE3	110	450	2.3	4000	0.25	0.1	83.6	8.6	40	11Z	DO-214AC
SMA1EZ120D5HE3	120	550	2	4500	0.25	0.1	91.2	7.8	37	12Z	DO-214AC
SMA1EZ130D5HE3	130	700	1.9	5000	0.25	0.1	98.8	7	34	13Z	DO-214AC
SMA1EZ150D5HE3	150	1000	1.7	6000	0.25	0.1	114.0	6.4	30	15Z	DO-214AC
SMA1EZ160D5HE3	160	1100	1.6	6500	0.25	0.1	121.6	5.8	28	16Z	DO-214AC
SMA1EZ180D5HE3	180	1200	1.4	7000	0.25	0.1	136.8	5.2	25	8Z	DO-214AC
SMA1EZ200D5HE3	200	1900	1.2	9990	0.25	0.1	152.0	4.7	22	20Z	DO-214AC
SMA1EZ220D5HE3	220	1600	1	8000	0.25	0.1	167.2	4	20	22Z	DO-214AC
SMA1EZ240D5HE3	240	1800	0.9	8500	0.25	0.1	182.4	3.8	19	24Z	DO-214AC
SMA1EZ250D5HE3	250	2000	0.9	9000	0.25	0.1	190.0	3.6	18	25Z	DO-214AC
SMA1EZ270D5HE3	270	2100	0.8	9000	0.25	0.1	205.0	3.3	16	27Z	DO-214AC
SMA1EZ300D5HE3	300	2300	0.8	9500	0.25	0.1	228.0	3	15	30Z	DO-214AC
SMA1EZ330D5HE3	330	2500	0.7	9500	0.25	0.1	250.2	2.7	13	33Z	DO-214AC



DO-214AC

## ZENER DIODES

Part Number	Zener Voltage	Maximum Zener Impedance				Reverse Current		Marking Code	Package
	V <sub>Z</sub>	Z <sub>zT</sub> @I <sub>zT</sub>		Z <sub>zk</sub> @I <sub>zk</sub>		IR	VR		
	V	Ω	mA	Ω	mA	μA	V		
SMAJ5918B	5.1	4.0	73.5	350	1	5	2.0	18B	DO-214AC
SMAJ5919B	5.6	2.0	66.9	250	1	5	3.0	19B	DO-214AC
SMAJ5920B	6.2	2.0	60.5	200	1	5	4.0	20B	DO-214AC
SMAJ5921B	6.8	2.5	55.1	200	1	5	5.2	21B	DO-214AC
SMAJ5922B	7.5	3.0	50.0	400	0.5	5	6.0	22B	DO-214AC
SMAJ5923B	8.2	3.5	45.7	400	0.5	5	6.5	23B	DO-214AC
SMAJ5924B	9.1	4.0	41.2	500	0.25	5	7.0	24B	DO-214AC
SMAJ5925B	10.0	4.5	37.5	500	0.25	5	8.0	25B	DO-214AC
SMAJ5926B	11.0	5.5	34.1	550	0.25	1	8.4	26B	DO-214AC
SMAJ5927B	12.0	6.5	31.2	550	0.25	1	9.1	27B	DO-214AC
SMAJ5928B	13.0	7.0	28.8	550	0.25	1	9.9	28B	DO-214AC
SMAJ5929B	15.0	9.0	25.0	600	0.25	1	11.4	29B	DO-214AC
SMAJ5930B	16.0	10.0	23.4	600	0.25	1	12.2	30B	DO-214AC
SMAJ5931B	18.0	12.0	20.8	650	0.25	1	13.7	31B	DO-214AC
SMAJ5932B	20.0	14.0	18.7	650	0.25	1	15.2	32B	DO-214AC
SMAJ5933B	22.0	17.5	17.0	650	0.25	1	16.7	33B	DO-214AC
SMAJ5934B	24.0	19.0	15.6	700	0.25	1	18.2	34B	DO-214AC
SMAJ5935B	27.0	23.0	13.9	700	0.25	1	20.6	35B	DO-214AC
SMAJ5936B	30.0	28.0	12.5	750	0.25	1	22.8	36B	DO-214AC
SMAJ5937B	33.0	33.0	11.4	800	0.25	1	25.1	37B	DO-214AC
SMAJ5938B	36.0	38.0	10.4	850	0.25	1	27.4	38B	DO-214AC
SMAJ5939B	39.0	45.0	9.6	900	0.25	1	29.7	39B	DO-214AC
SMAJ5940B	43.0	53.0	8.7	950	0.25	1	32.7	40B	DO-214AC
SMAJ5941B	47.0	67.0	8.0	1000	0.25	1	35.8	41B	DO-214AC
SMAJ5942B	51.0	70.0	7.3	1100	0.25	1	38.8	42B	DO-214AC
SMAJ5943B	56.0	86.0	6.7	1300	0.25	1	42.6	43B	DO-214AC
SMAJ5944B	62.0	100.0	6.0	1500	0.25	1	47.1	44B	DO-214AC
SMAJ5945B	68.0	120.0	5.5	1700	0.25	1	51.7	45B	DO-214AC
SMAJ5946B	75.0	140.0	5.0	2000	0.25	1	56.0	46B	DO-214AC
SMAJ5947B	82.0	160.0	4.6	2500	0.25	1	62.2	47B	DO-214AC
SMAJ5948B	91.0	200.0	4.1	3000	0.25	1	69.2	48B	DO-214AC
SMAJ5949B	100.0	250.0	3.7	3100	0.25	1	76.0	49B	DO-214AC
SMAJ5950B	110.0	300.0	3.4	4000	0.25	1	83.6	50B	DO-214AC
SMAJ5951B	120.0	380.0	3.1	4500	0.25	1	91.2	51B	DO-214AC
SMAJ5952B	130.0	450.0	2.9	5000	0.25	1	98.8	52B	DO-214AC
SMAJ5953B	150.0	600.0	2.5	6000	0.25	1	114.0	53B	DO-214AC
SMAJ5954B	160.0	700.0	2.3	6500	0.25	1	121.6	54B	DO-214AC
SMAJ5955B	180.0	900.0	2.1	7000	0.25	1	136.8	55B	DO-214AC
SMAJ5956B	200.0	1200.0	1.9	8000	0.25	1	152.0	56B	DO-214AC
SMAJ5925BHE3	10.0	4.5	37.5	500	0.25	1	8.0	25B	DO-214AC
SMAJ5926BHE3	11.0	5.5	34.1	550	0.25	1	8.4	26B	DO-214AC
SMAJ5927BHE3	12.0	6.5	31.2	550	0.25	1	9.1	27B	DO-214AC
SMAJ5928BHE3	13.0	7.0	28.8	550	0.25	1	9.9	28B	DO-214AC
SMAJ5929BHE3	15.0	9.0	25.0	600	0.25	1	11.4	29B	DO-214AC
SMAJ5930BHE3	16.0	10.0	23.4	600	0.25	1	12.2	30B	DO-214AC
SMAJ5931BHE3	18.0	12.0	20.8	650	0.25	1	13.7	31B	DO-214AC
SMAJ5932BHE3	20.0	14.0	18.7	650	0.25	1	15.2	32B	DO-214AC



DO-214AC

## ZENER DIODES

Part Number	Zener Voltage	Maximum Zener Impedance				Reverse Current		Marking Code	Package
	V <sub>Z</sub>	Z <sub>1T</sub> @ I <sub>ZT</sub>		Z <sub>2K</sub> @ I <sub>ZK</sub>		I <sub>R</sub>	V <sub>R</sub>		
	V	Ω	mA	Ω	mA	μA	V		
SMAJ5933BHE3	22.0	17.5	17.0	650	0.25	1	16.7	33B	DO-214AC
SMAJ5934BHE3	24.0	19.0	15.6	700	0.25	1	18.2	34B	DO-214AC
SMAJ5935BHE3	27.0	23.0	13.9	700	0.25	1	20.6	35B	DO-214AC
SMAJ5936BHE3	30.0	28.0	12.5	750	0.25	1	22.8	36B	DO-214AC
SMAJ5937BHE3	33.0	33.0	11.4	800	0.25	1	25.1	37B	DO-214AC
SMAJ5938BHE3	36.0	38.0	10.4	850	0.25	1	27.4	38B	DO-214AC
SMAJ5939BHE3	39.0	45.0	9.6	900	0.25	1	29.7	39B	DO-214AC
SMAJ5940BHE3	43.0	53.0	8.7	950	0.25	1	32.7	40B	DO-214AC
SMAJ5941BHE3	47.0	67.0	8.0	1000	0.25	1	35.8	41B	DO-214AC
SMAJ5942BHE3	51.0	70.0	7.3	1100	0.25	1	38.8	42B	DO-214AC
SMAJ5943BHE3	56.0	86.0	6.7	1300	0.25	1	42.6	43B	DO-214AC
SMAJ5944BHE3	62.0	100.0	6.0	1500	0.25	1	47.1	44B	DO-214AC
SMAJ5945BHE3	68.0	120.0	5.5	1700	0.25	1	51.7	45B	DO-214AC
SMAJ5946BHE3	75.0	140.0	5.0	2000	0.25	1	56.0	46B	DO-214AC
SMAJ5947BHE3	82.0	160.0	4.6	2500	0.25	1	62.2	47B	DO-214AC
SMAJ5948BHE3	91.0	200.0	4.1	3000	0.25	1	69.2	48B	DO-214AC
SMAJ5949BHE3	100.0	250.0	3.7	3100	0.25	1	76.0	49B	DO-214AC
SMAJ5950BHE3	110.0	300.0	3.4	4000	0.25	1	83.6	50B	DO-214AC
SMAJ5951BHE3	120.0	380.0	3.1	4500	0.25	1	91.2	51B	DO-214AC
SMAJ5952BHE3	130.0	450.0	2.9	5000	0.25	1	98.8	52B	DO-214AC
SMAJ5953BHE3	150.0	600.0	2.5	6000	0.25	1	114.0	53B	DO-214AC
SMAJ5954BHE3	160.0	700.0	2.3	6500	0.25	1	121.6	54B	DO-214AC
SMAJ5955BHE3	180.0	900.0	2.1	7000	0.25	1	136.8	55B	DO-214AC
SMAJ5956BHE3	200.0	1200.0	1.9	8000	0.25	1	152.0	56B	DO-214AC



DO-214AC

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Maximum Zener Current	Surge Current	Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub> @I <sub>ZT</sub>	Z <sub>ZK</sub> @I <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	I <sub>ZM</sub>	I <sub>S</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA	mA		
SMA2EZ5.1D5	5.1	98.0	3.5	600	1.00	5.0	1.0	356.0	3.50	2E5.1/2C5V1	DO-214AC
SMA2EZ5.6D5	5.6	89.5	2.5	500	1.00	5.0	2.0	324.0	3.30	2E5.6/2C5V6	DO-214AC
SMA2EZ6.2D5	6.2	80.5	1.5	700	1.00	5.0	3.0	292.0	3.10	2E6.2/2C6V2	DO-214AC
SMA2EZ6.8D5	6.8	73.5	2.0	700	1.00	5.0	4.0	266.0	2.90	2E6.8/2C6V8	DO-214AC
SMA2EZ7.5D5	7.5	66.5	2.0	700	0.50	5.0	5.0	242.0	2.66	2E7.5/2C7V5	DO-214AC
SMA2EZ8.2D5	8.2	61.0	2.3	700	0.50	5.0	6.0	220.0	2.44	2E8.2/2C8V2	DO-214AC
SMA2EZ9.1D5	9.1	55.0	2.5	700	0.50	3.0	7.0	200.0	2.20	2E9.1/2C9V1	DO-214AC
SMA2EZ10D5	10.0	50.0	3.5	700	0.25	3.0	7.6	182.0	2.00	2E10/2C10	DO-214AC
SMA2EZ11D5	11.0	45.5	4.0	700	0.25	1.0	8.4	166.0	1.82	2E11/2C11	DO-214AC
SMA2EZ12D5	12.0	41.5	4.5	700	0.25	1.0	9.1	152.0	1.66	2E12/2C12	DO-214AC
SMA2EZ13D5	13.0	38.5	5.0	700	0.25	0.5	9.9	138.0	1.54	2E13/2C13	DO-214AC
SMA2EZ14D5	14.0	35.7	5.5	700	0.25	0.5	10.6	130.0	1.43	2E14/2C14	DO-214AC
SMA2EZ15D5	15.0	33.4	7.0	700	0.25	0.5	11.4	122.0	1.33	2E15/2C15	DO-214AC
SMA2EZ16D5	16.0	31.2	8.0	700	0.25	0.5	12.2	114.0	1.25	2E16/2C16	DO-214AC
SMA2EZ17D5	17.0	29.4	9.0	750	0.25	0.5	13.0	107.0	1.18	2E17/2C17	DO-214AC
SMA2EZ18D5	18.0	27.8	10.0	750	0.25	0.5	13.7	100.0	1.11	2E18/2C18	DO-214AC
SMA2EZ19D5	19.0	26.3	11.0	750	0.25	0.5	14.4	95.0	1.05	2E19/2C19	DO-214AC
SMA2EZ20D5	20.0	25.0	11.0	750	0.25	0.5	15.2	90.0	1.00	2E20/2C20	DO-214AC
SMA2EZ22D5	22.0	22.8	12.0	750	0.25	0.5	16.7	82.0	0.91	2E22/2C22	DO-214AC
SMA2EZ24D5	24.0	20.8	13.0	750	0.25	0.5	18.2	76.0	0.83	2E24/2C24	DO-214AC
SMA2EZ27D5	27.0	18.5	18.0	750	0.25	0.5	20.6	68.0	0.74	2E27/2C27	DO-214AC
SMA2EZ30D5	30.0	16.6	20.0	1000	0.25	0.5	22.5	60.0	0.67	2E30/2C30	DO-214AC
SMA2EZ33D5	33.0	15.1	23.0	1000	0.25	0.5	25.1	55.0	0.61	2E33/2C33	DO-214AC
SMA2EZ36D5	36.0	13.9	25.0	1000	0.25	0.5	27.4	50.0	0.56	2E36/2C36	DO-214AC
SMA2EZ39D5	39.0	12.8	30.0	1000	0.25	0.5	29.7	47.0	0.51	2E39/2C39	DO-214AC
SMA2EZ43D5	43.0	11.6	35.0	1500	0.25	0.5	32.7	43.0	0.45	2E43/2C43	DO-214AC
SMA2EZ47D5	47.0	10.6	40.0	1500	0.25	0.5	35.8	39.0	0.42	2E47/2C47	DO-214AC
SMA2EZ51D5	51.0	9.8	48.0	1500	0.25	0.5	38.8	36.0	0.39	2E51/2C51	DO-214AC
SMA2EZ56D5	56.0	9.0	55.0	2000	0.25	0.5	42.6	32.0	0.36	2E56/2C56	DO-214AC
SMA2EZ62D5	62.0	8.1	60.0	2000	0.25	0.5	47.1	29.0	0.32	2E62/2C62	DO-214AC
SMA2EZ68D5	68.0	7.4	75.0	2000	0.25	0.5	51.7	27.0	0.29	2E68/2C68	DO-214AC
SMA2EZ75D5	75.0	6.7	90.0	2000	0.25	0.5	56.0	24.0	0.27	2E75/2C75	DO-214AC
SMA2EZ10D5HE3	10.0	50.0	3.5	700	0.25	3.0	7.6	182.0	2.00	2E10/2C10	DO-214AC
SMA2EZ11D5HE3	11.0	45.5	4.0	700	0.25	1.0	8.4	166.0	1.82	2E11/2C11	DO-214AC
SMA2EZ12D5HE3	12.0	41.5	4.5	700	0.25	1.0	9.1	152.0	1.66	2E12/2C12	DO-214AC
SMA2EZ13D5HE3	13.0	38.5	5.0	700	0.25	0.5	9.9	138.0	1.54	2E13/2C13	DO-214AC
SMA2EZ14D5HE3	14.0	35.7	5.5	700	0.25	0.5	10.6	130.0	1.43	2E14/2C14	DO-214AC
SMA2EZ15D5HE3	15.0	33.4	7.0	700	0.25	0.5	11.4	122.0	1.33	2E15/2C15	DO-214AC
SMA2EZ16D5HE3	16.0	31.2	8.0	700	0.25	0.5	12.2	114.0	1.25	2E16/2C16	DO-214AC
SMA2EZ17D5HE3	17.0	29.4	9.0	750	0.25	0.5	13.0	107.0	1.18	2E17/2C17	DO-214AC
SMA2EZ18D5HE3	18.0	27.8	10.0	750	0.25	0.5	13.7	100.0	1.11	2E18/2C18	DO-214AC
SMA2EZ19D5HE3	19.0	26.3	11.0	750	0.25	0.5	14.4	95.0	1.05	2E19/2C19	DO-214AC
SMA2EZ20D5HE3	20.0	25.0	11.0	750	0.25	0.5	15.2	90.0	1.00	2E20/2C20	DO-214AC
SMA2EZ22D5HE3	22.0	22.8	12.0	750	0.25	0.5	16.7	82.0	0.91	2E22/2C22	DO-214AC
SMA2EZ24D5HE3	24.0	20.8	13.0	750	0.25	0.5	18.2	76.0	0.83	2E24/2C24	DO-214AC
SMA2EZ27D5HE3	27.0	18.5	18.0	750	0.25	0.5	20.6	68.0	0.74	2E27/2C27	DO-214AC
SMA2EZ30D5HE3	30.0	16.6	20.0	1000	0.25	0.5	22.5	60.0	0.67	2E30/2C30	DO-214AC
SMA2EZ33D5HE3	33.0	15.1	23.0	1000	0.25	0.5	25.1	55.0	0.61	2E33/2C33	DO-214AC



DO-214AC

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Maximum Zener Current	Surge Current	Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub> @I <sub>ZT</sub>	Z <sub>ZK</sub> @I <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	I <sub>ZM</sub>	I <sub>S</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA	mA		
SMA2EZ36D5HE3	36.0	13.9	25.0	1000	0.25	0.5	27.4	50.0	0.56	2E36/2C36	DO-214AC
SMA2EZ39D5HE3	39.0	12.8	30.0	1000	0.25	0.5	29.7	47.0	0.51	2E39/2C39	DO-214AC
SMA2EZ43D5HE3	43.0	11.6	35.0	1500	0.25	0.5	32.7	43.0	0.45	2E43/2C43	DO-214AC
SMA2EZ47D5HE3	47.0	10.6	40.0	1500	0.25	0.5	35.8	39.0	0.42	2E47/2C47	DO-214AC
SMA2EZ51D5HE3	51.0	9.8	48.0	1500	0.25	0.5	38.8	36.0	0.39	2E51/2C51	DO-214AC
SMA2EZ56D5HE3	56.0	9.0	55.0	2000	0.25	0.5	42.6	32.0	0.36	2E56/2C56	DO-214AC
SMA2EZ62D5HE3	62.0	8.1	60.0	2000	0.25	0.5	47.1	29.0	0.32	2E62/2C62	DO-214AC
SMA2EZ68D5HE3	68.0	7.4	75.0	2000	0.25	0.5	51.7	27.0	0.29	2E68/2C68	DO-214AC
SMA2EZ75D5HE3	75.0	6.7	90.0	2000	0.25	0.5	56.0	24.0	0.27	2E75/2C75	DO-214AC

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Maximum Zener Current	Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub> @I <sub>ZT</sub>	Z <sub>ZK</sub> @I <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	I <sub>ZM</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA		
3SMAJ5913B	3.3	113.6	10.0	500	1.00	100	1.0	908	H13B	DO-214AC
3SMAJ5914B	3.6	104.2	9.0	500	1.00	75	1.0	832	H14B	DO-214AC
3SMAJ5915B	3.9	96.1	7.5	500	1.00	25	1.0	768	H15B	DO-214AC
3SMAJ5916B	4.3	87.2	6.0	500	1.00	5	1.0	696	H16B	DO-214AC
3SMAJ5917B	4.7	79.8	5.0	500	1.00	5	1.5	638	H17B	DO-214AC
3SMAJ5918B	5.1	73.5	4.0	350	1.00	5	2.0	588	H18B	DO-214AC
3SMAJ5919B	5.6	66.9	2.0	250	1.00	5	3.0	534	H19B	DO-214AC
3SMAJ5920B	6.2	60.5	2.0	200	1.00	5	4.0	482	H20B	DO-214AC
3SMAJ5921B	6.8	55.1	2.5	200	1.00	5	5.2	440	H21B	DO-214AC
3SMAJ5922B	7.5	50.0	3.0	400	0.50	5	6.0	400	H22B	DO-214AC
3SMAJ5923B	8.2	45.7	3.5	400	0.50	5	6.5	364	H23B	DO-214AC
3SMAJ5924B	9.1	41.2	4.0	500	0.50	5	7.0	328	H24B	DO-214AC
3SMAJ5925B	10.0	37.5	4.5	500	0.25	5	8.0	300	H25B	DO-214AC
3SMAJ5926B	11.0	34.1	5.5	550	0.25	1	8.4	272	H26B	DO-214AC
3SMAJ5927B	12.0	31.2	6.5	550	0.25	1	9.1	250	H27B	DO-214AC
3SMAJ5928B	13.0	28.8	7.0	550	0.25	1	9.9	230	H28B	DO-214AC
3SMAJ5929B	15.0	25.0	9.0	600	0.25	1	11.4	200	H29B	DO-214AC
3SMAJ5930B	16.0	23.4	10.0	600	0.25	1	12.2	186	H30B	DO-214AC
3SMAJ5931B	18.0	20.8	12.0	650	0.25	1	13.7	166	H31B	DO-214AC
3SMAJ5932B	20.0	18.7	14.0	650	0.25	1	15.2	150	H32B	DO-214AC
3SMAJ5933B	22.0	17.0	17.5	650	0.25	1	16.7	136	H33B	DO-214AC
3SMAJ5934B	24.0	15.6	19.0	700	0.25	1	18.2	124	H34B	DO-214AC
3SMAJ5935B	27.0	13.9	23.0	700	0.25	1	20.6	110	H35B	DO-214AC
3SMAJ5936B	30.0	12.5	28.0	750	0.25	1	22.8	100	H36B	DO-214AC
3SMAJ5937B	33.0	11.4	33.0	800	0.25	1	25.1	90	H37B	DO-214AC
3SMAJ5938B	36.0	10.4	38.0	850	0.25	1	27.4	82	H38B	DO-214AC
3SMAJ5939B	39.0	9.6	45.0	900	0.25	1	29.7	76	H39B	DO-214AC
3SMAJ5940B	43.0	8.7	53.0	950	0.25	1	32.7	68	H40B	DO-214AC
3SMAJ5941B	47.0	8.0	67.0	1000	0.25	1	35.8	62	H41B	DO-214AC



DO-214AC

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Maximum Zener Current	Marking Code	Package
	V <sub>Z @ I<sub>ZT</sub></sub>	I <sub>ZT</sub>	Z <sub>ZT @ I<sub>ZT</sub></sub>	Z <sub>ZK @ I<sub>ZK</sub></sub>	I <sub>ZK</sub>	IR	VR	I <sub>ZM</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA		
3SMAJ5942B	51.0	7.3	70.0	1100	0.25	1	38.8	58	H42B	DO-214AC
3SMAJ5943B	56.0	6.7	86.0	1300	0.25	1	42.6	52	H43B	DO-214AC
3SMAJ5944B	62.0	6.0	100.0	1500	0.25	1	47.1	48	H44B	DO-214AC
3SMAJ5945B	68.0	5.5	120.0	1700	0.25	1	51.7	44	H45B	DO-214AC
3SMAJ5946B	75.0	5.0	140.0	2000	0.25	1	56.0	40	H46B	DO-214AC
3SMAJ5947B	82.0	4.6	160.0	2500	0.25	1	62.2	36	H47B	DO-214AC
3SMAJ5948B	91.0	4.1	200.0	3000	0.25	1	69.2	32	H48B	DO-214AC
3SMAJ5949B	100.0	3.7	250.0	3100	0.25	1	76.0	30	H49B	DO-214AC
3SMAJ5950B	110.0	3.4	300.0	4000	0.25	1	83.6	26	H50B	DO-214AC
3SMAJ5951B	120.0	3.1	380.0	4500	0.25	1	91.2	24	H51B	DO-214AC
3SMAJ5952B	130.0	2.9	450.0	5000	0.25	1	98.8	22	H52B	DO-214AC
3SMAJ5953B	150.0	2.5	600.0	6000	0.25	1	114.0	20	H53B	DO-214AC
3SMAJ5954B	160.0	2.3	700.0	6500	0.25	1	121.6	18	H54B	DO-214AC
3SMAJ5955B	180.0	2.1	900.0	7000	0.25	1	136.8	16	H55B	DO-214AC
3SMAJ5956B	200.0	1.9	1200.0	8000	0.25	1	152.0	14	H56B	DO-214AC
3SMAJ5925BHE3	10.0	37.5	4.5	500	0.25	5	8.0	300	H25B	DO-214AC
3SMAJ5926BHE3	11.0	34.1	5.5	550	0.25	1	8.4	272	H26B	DO-214AC
3SMAJ5927BHE3	12.0	31.2	6.5	550	0.25	1	9.1	250	H27B	DO-214AC
3SMAJ5928BHE3	13.0	28.8	7.0	550	0.25	1	9.9	230	H28B	DO-214AC
3SMAJ5929BHE3	15.0	25.0	9.0	600	0.25	1	11.4	200	H29B	DO-214AC
3SMAJ5930BHE3	16.0	23.4	10.0	600	0.25	1	12.2	186	H30B	DO-214AC
3SMAJ5931BHE3	18.0	20.8	12.0	650	0.25	1	13.7	166	H31B	DO-214AC
3SMAJ5932BHE3	20.0	18.7	14.0	650	0.25	1	15.2	150	H32B	DO-214AC
3SMAJ5933BHE3	22.0	17.0	17.5	650	0.25	1	16.7	136	H33B	DO-214AC
3SMAJ5934BHE3	24.0	15.6	19.0	700	0.25	1	18.2	124	H34B	DO-214AC
3SMAJ5935BHE3	27.0	13.9	23.0	700	0.25	1	20.6	110	H35B	DO-214AC
3SMAJ5936BHE3	30.0	12.5	28.0	750	0.25	1	22.8	100	H36B	DO-214AC
3SMAJ5937BHE3	33.0	11.4	33.0	800	0.25	1	25.1	90	H37B	DO-214AC
3SMAJ5938BHE3	36.0	10.4	38.0	850	0.25	1	27.4	82	H38B	DO-214AC
3SMAJ5939BHE3	39.0	9.6	45.0	900	0.25	1	29.7	76	H39B	DO-214AC
3SMAJ5940BHE3	43.0	8.7	53.0	950	0.25	1	32.7	68	H40B	DO-214AC
3SMAJ5941BHE3	47.0	8.0	67.0	1000	0.25	1	35.8	62	H41B	DO-214AC
3SMAJ5942BHE3	51.0	7.3	70.0	1100	0.25	1	38.8	58	H42B	DO-214AC
3SMAJ5943BHE3	56.0	6.7	86.0	1300	0.25	1	42.6	52	H43B	DO-214AC
3SMAJ5944BHE3	62.0	6.0	100.0	1500	0.25	1	47.1	48	H44B	DO-214AC
3SMAJ5945BHE3	68.0	5.5	120.0	1700	0.25	1	51.7	44	H45B	DO-214AC
3SMAJ5946BHE3	75.0	5.0	140.0	2000	0.25	1	56.0	40	H46B	DO-214AC
3SMAJ5947BHE3	82.0	4.6	160.0	2500	0.25	1	62.2	36	H47B	DO-214AC
3SMAJ5948BHE3	91.0	4.1	200.0	3000	0.25	1	69.2	32	H48B	DO-214AC
3SMAJ5949BHE3	100.0	3.7	250.0	3100	0.25	1	76.0	30	H49B	DO-214AC
3SMAJ5950BHE3	110.0	3.4	300.0	4000	0.25	1	83.6	26	H50B	DO-214AC
3SMAJ5951BHE3	120.0	3.1	380.0	4500	0.25	1	91.2	24	H51B	DO-214AC
3SMAJ5952BHE3	130.0	2.9	450.0	5000	0.25	1	98.8	22	H52B	DO-214AC
3SMAJ5953BHE3	150.0	2.5	600.0	6000	0.25	1	114.0	20	H53B	DO-214AC
3SMAJ5954BHE3	160.0	2.3	700.0	6500	0.25	1	121.6	18	H54B	DO-214AC
3SMAJ5955BHE3	180.0	2.1	900.0	7000	0.25	1	136.8	16	H55B	DO-214AC
3SMAJ5956BHE3	200.0	1.9	1200.0	8000	0.25	1	152.0	14	H56B	DO-214AC



DO-214AC

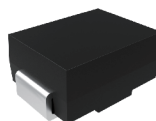
## ZENER DIODES

Part Number	Zener Voltage			Maximum Zener Impedance		Maximum Zener Impedance		Reverse Current		Marking Code	Package
	V <sub>Z</sub>			Z <sub>ZT</sub> @ I <sub>ZT</sub>		Z <sub>ZK</sub> @ I <sub>ZK</sub>		IR	VR		
	Min (V)	Nom (V)	Max (V)	Ω	mA	Ω	mA	μA	V		
SMA5C3V3	3.1	3.3	3.5	20.0	80	400	1.00	40.0	1.0	C3V3	DO-214AC
SMA5C3V6	3.4	3.6	3.8	20.0	60	500	1.00	20.0	1.0	C3V6	DO-214AC
SMA5C3V9	3.7	3.9	4.1	15.0	60	500	1.00	10.0	1.0	C3V9	DO-214AC
SMA5C4V3	4.0	4.3	4.6	13.0	50	500	1.00	3.0	1.0	C4V3	DO-214AC
SMA5C4V7	4.4	4.7	5.0	13.0	45	600	1.00	3.0	1.0	C4V7	DO-214AC
SMA5C5V1	4.8	5.1	5.4	10.0	45	500	1.00	1.0	1.5	C5V1	DO-214AC
SMA5C5V6	5.2	5.6	6.0	7.0	45	400	1.00	1.0	2.0	C5V6	DO-214AC
SMA5C6V2	5.8	6.2	6.6	4.0	35	300	1.00	1.0	3.0	C6V2	DO-214AC
SMA5C6V8	6.4	6.8	7.2	3.5	35	300	1.00	1.0	4.0	C6V8	DO-214AC
SMA5C7V5	7.0	7.5	7.9	3.0	35	200	0.50	1.0	4.5	C7V5	DO-214AC
SMA5C8V2	7.7	8.2	8.7	5.0	25	200	0.50	1.0	6.2	C8V2	DO-214AC
SMA5C9V1	8.5	9.1	9.6	5.0	25	200	0.50	1.0	6.8	C9V1	DO-214AC
SMA5C10	9.4	10.0	10.6	7.0	25	200	0.50	0.5	7.0	C10	DO-214AC
SMA5C11	10.4	11.0	11.6	8.0	20	300	0.50	0.5	8.2	C11	DO-214AC
SMA5C12	11.4	12.0	12.7	9.0	20	350	0.50	0.5	9.1	C12	DO-214AC
SMA5C13	12.4	13.0	14.1	10.0	20	400	0.50	0.5	10.0	C13	DO-214AC
SMA5C15	13.8	15.0	15.6	15.0	15	500	0.50	0.5	11.0	C15	DO-214AC
SMA5C16	15.3	16.0	17.1	15.0	15	500	0.50	0.5	12.0	C16	DO-214AC
SMA5C18	16.8	18.0	19.1	20.0	15	500	0.50	0.5	13.0	C18	DO-214AC
SMA5C20	18.8	20.0	21.2	24.0	10	600	0.50	0.5	15.0	C20	DO-214AC
SMA5C22	20.8	22.0	23.3	25.0	10	600	0.50	0.5	16.0	C22	DO-214AC
SMA5C24	22.8	24.0	25.6	25.0	10	600	0.50	0.5	18.0	C24	DO-214AC
SMA5C27	25.1	27.0	28.9	30.0	8	750	0.25	0.5	20.0	C27	DO-214AC
SMA5C30	28.0	30.0	32.0	30.0	8	1000	0.25	0.5	22.0	C30	DO-214AC
SMA5C33	31.0	33.0	35.0	35.0	8	1000	0.25	0.5	24.0	C33	DO-214AC
SMA5C36	34.0	36.0	38.0	40.0	8	1000	0.25	0.5	27.0	C36	DO-214AC
SMA5C39	37.0	39.0	41.0	50.0	6	1000	0.25	0.5	30.0	C39	DO-214AC

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Marking Code	Package
	V <sub>Z</sub> @ I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub> @ I <sub>ZT</sub>	Z <sub>ZK</sub> @ I <sub>ZK</sub>	I <sub>ZK</sub>	IR	VR		
	V	mA	Ω	Ω	mA	μA	V		
SMBJ5918B	5.1	73.5	4.0	350	1.00	5	2.0	918B	DO-214AA
SMBJ5919B	5.6	66.9	2.0	250	1.00	5	3.0	919B	DO-214AA
SMBJ5920B	6.2	60.5	2.0	200	1.00	5	4.0	920B	DO-214AA
SMBJ5921B	6.8	55.1	2.5	200	1.00	5	5.2	921B	DO-214AA
SMBJ5922B	7.5	50.0	3.0	400	0.50	5	6.0	922B	DO-214AA
SMBJ5923B	8.2	45.7	3.5	400	0.50	5	6.5	923B	DO-214AA
SMBJ5924B	9.1	41.2	4.0	500	0.50	5	7.0	924B	DO-214AA
SMBJ5925B	10.0	37.5	4.5	500	0.25	5	8.0	925B	DO-214AA
SMBJ5926B	11.0	34.1	5.5	550	0.25	1	8.4	926B	DO-214AA
SMBJ5927B	12.0	31.2	6.5	550	0.25	1	9.1	927B	DO-214AA
SMBJ5928B	13.0	28.8	7.0	550	0.25	1	9.9	928B	DO-214AA
SMBJ5929B	15.0	25.0	9.0	600	0.25	1	11.4	929B	DO-214AA
SMBJ5930B	16.0	23.4	10.0	600	0.25	1	12.2	930B	DO-214AA



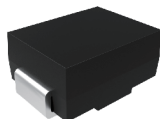
DO-214AC



DO-214AA

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Marking Code	Package
	V <sub>Z @I<sub>ZT</sub></sub>	I <sub>ZT</sub>	Z <sub>ZT @I<sub>ZT</sub></sub>	Z <sub>ZK @I<sub>ZK</sub></sub>	I <sub>ZK</sub>	IR	VR		
	V	mA	Ω	Ω	mA	μA	V		
SMBJ5931B	18.0	20.8	12.0	650	0.25	1	13.7	931B	DO-214AA
SMBJ5932B	20.0	18.7	14.0	650	0.25	1	15.2	932B	DO-214AA
SMBJ5933B	22.0	17.0	17.5	650	0.25	1	16.7	933B	DO-214AA
SMBJ5934B	24.0	15.6	19.0	700	0.25	1	18.2	934B	DO-214AA
SMBJ5935B	27.0	13.9	23.0	700	0.25	1	20.6	935B	DO-214AA
SMBJ5936B	30.0	12.5	28.0	750	0.25	1	22.8	936B	DO-214AA
SMBJ5937B	33.0	11.4	33.0	800	0.25	1	25.1	937B	DO-214AA
SMBJ5938B	36.0	10.4	38.0	850	0.25	1	27.4	938B	DO-214AA
SMBJ5939B	39.0	9.6	45.0	900	0.25	1	29.7	939B	DO-214AA
SMBJ5940B	43.0	8.7	53.0	950	0.25	1	32.7	940B	DO-214AA
SMBJ5941B	47.0	8.0	67.0	1000	0.25	1	35.8	941B	DO-214AA
SMBJ5942B	51.0	7.3	70.0	1100	0.25	1	38.8	942B	DO-214AA
SMBJ5943B	56.0	6.7	86.0	1300	0.25	1	42.6	943B	DO-214AA
SMBJ5944B	62.0	6.0	100.0	1500	0.25	1	47.1	944B	DO-214AA
SMBJ5945B	68.0	5.5	120.0	1700	0.25	1	51.2	945B	DO-214AA
SMBJ5946B	75.0	5.0	140.0	2000	0.25	1	56.0	946B	DO-214AA
SMBJ5947B	82.0	4.6	160.0	2500	0.25	1	62.2	947B	DO-214AA
SMBJ5948B	91.0	4.1	200.0	3000	0.25	1	69.2	948B	DO-214AA
SMBJ5949B	100.0	3.7	250.0	3100	0.25	1	76.0	949B	DO-214AA
SMBJ5950B	110.0	3.4	300.0	4000	0.25	1	83.6	950B	DO-214AA
SMBJ5951B	120.0	3.1	380.0	4500	0.25	1	91.2	951B	DO-214AA
SMBJ5952B	130.0	2.9	450.0	5000	0.25	1	98.8	952B	DO-214AA
SMBJ5953B	150.0	2.5	600.0	6000	0.25	1	114.0	953B	DO-214AA
SMBJ5954B	160.0	2.3	700.0	6500	0.25	1	121.6	954B	DO-214AA
SMBJ5955B	180.0	2.1	900.0	7000	0.25	1	136.8	955B	DO-214AA
SMBJ5956B	200.0	1.9	1200.0	8000	0.25	1	152.0	956B	DO-214AA
SMBJ5925BHE3	10.0	37.5	4.5	500	0.25	5	8.0	925B	DO-214AA
SMBJ5926BHE3	11.0	34.1	5.5	550	0.25	1	8.4	926B	DO-214AA
SMBJ5927BHE3	12.0	31.2	6.5	550	0.25	1	9.1	927B	DO-214AA
SMBJ5928BHE3	13.0	28.8	7.0	550	0.25	1	9.9	928B	DO-214AA
SMBJ5929BHE3	15.0	25.0	9.0	600	0.25	1	11.4	929B	DO-214AA
SMBJ5930BHE3	16.0	23.4	10.0	600	0.25	1	12.2	930B	DO-214AA
SMBJ5931BHE3	18.0	20.8	12.0	650	0.25	1	13.7	931B	DO-214AA
SMBJ5932BHE3	20.0	18.7	14.0	650	0.25	1	15.2	932B	DO-214AA
SMBJ5933BHE3	22.0	17.0	17.5	650	0.25	1	16.7	933B	DO-214AA
SMBJ5934BHE3	24.0	15.6	19.0	700	0.25	1	18.2	934B	DO-214AA
SMBJ5935BHE3	27.0	13.9	23.0	700	0.25	1	20.6	935B	DO-214AA
SMBJ5936BHE3	30.0	12.5	28.0	750	0.25	1	22.8	936B	DO-214AA
SMBJ5937BHE3	33.0	11.4	33.0	800	0.25	1	25.1	937B	DO-214AA
SMBJ5938BHE3	36.0	10.4	38.0	850	0.25	1	27.4	938B	DO-214AA
SMBJ5939BHE3	39.0	9.6	45.0	900	0.25	1	29.7	939B	DO-214AA
SMBJ5940BHE3	43.0	8.7	53.0	950	0.25	1	32.7	940B	DO-214AA
SMBJ5941BHE3	47.0	8.0	67.0	1000	0.25	1	35.8	941B	DO-214AA
SMBJ5942BHE3	51.0	7.3	70.0	1100	0.25	1	38.8	942B	DO-214AA
SMBJ5943BHE3	56.0	6.7	86.0	1300	0.25	1	42.6	943B	DO-214AA
SMBJ5944BHE3	62.0	6.0	100.0	1500	0.25	1	47.1	944B	DO-214AA
SMBJ5945BHE3	68.0	5.5	120.0	1700	0.25	1	51.2	945B	DO-214AA

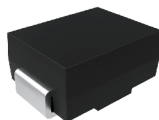


DO-214AA

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Marking Code	Package
	V <sub>Z @I<sub>ZT</sub></sub>	I <sub>ZT</sub>	Z <sub>ZT @I<sub>ZT</sub></sub>	Z <sub>ZK @I<sub>ZK</sub></sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>		
	V	mA	Ω	Ω	mA	μA	V		
SMBJ5946BHE3	75.0	5.0	140.0	2000	0.25	1	56.0	946B	DO-214AA
SMBJ5947BHE3	82.0	4.6	160.0	2500	0.25	1	62.2	947B	DO-214AA
SMBJ5948BHE3	91.0	4.1	200.0	3000	0.25	1	69.2	948B	DO-214AA
SMBJ5949BHE3	100.0	3.7	250.0	3100	0.25	1	76.0	949B	DO-214AA
SMBJ5950BHE3	110.0	3.4	300.0	4000	0.25	1	83.6	950B	DO-214AA
SMBJ5951BHE3	120.0	3.1	380.0	4500	0.25	1	91.2	951B	DO-214AA
SMBJ5952BHE3	130.0	2.9	450.0	5000	0.25	1	98.8	952B	DO-214AA
SMBJ5953BHE3	150.0	2.5	600.0	6000	0.25	1	114.0	953B	DO-214AA
SMBJ5954BHE3	160.0	2.3	700.0	6500	0.25	1	121.6	954B	DO-214AA
SMBJ5955BHE3	180.0	2.1	900.0	7000	0.25	1	136.8	955B	DO-214AA
SMBJ5956BHE3	200.0	1.9	1200.0	8000	0.25	1	152.0	956B	DO-214AA

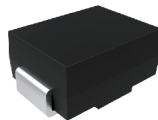
Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Maximum Zener Current	Surge Current	Marking Code	Package
	V <sub>Z @I<sub>ZT</sub></sub>	I <sub>ZT</sub>	Z <sub>ZT @I<sub>ZT</sub></sub>	Z <sub>ZK @I<sub>ZK</sub></sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	I <sub>ZM</sub>	I <sub>S</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA	mA		
SMB2EZ5.1D5	5.1	98.0	3.5	600	1.00	5.0	1.0	356	3.50	2E5.1/2C5V1	DO-214AA
SMB2EZ5.6D5	5.6	89.5	2.5	500	1.00	5.0	2.0	324	3.30	2E5.6/2C5V6	DO-214AA
SMB2EZ6.2D5	6.2	80.5	1.5	700	1.00	5.0	3.0	292	3.10	2E6.2/2C6V2	DO-214AA
SMB2EZ6.8D5	6.8	73.5	2.0	700	1.00	5.0	4.0	266	2.90	2E6.8/2C6V8	DO-214AA
SMB2EZ7.5D5	7.5	66.5	2.0	700	0.50	5.0	5.0	242	2.66	2E7.5/2C7V5	DO-214AA
SMB2EZ8.2D5	8.2	61.0	2.3	700	0.50	5.0	6.0	220	2.44	2E8.2/2C8V2	DO-214AA
SMB2EZ9.1D5	9.1	55.0	2.5	700	0.50	3.0	7.0	200	2.20	2E9.1/2C9V1	DO-214AA
SMB2EZ10D5	10.0	50.0	3.5	700	0.25	3.0	7.6	182	2.00	2E10/2C10	DO-214AA
SMB2EZ11D5	11.0	45.5	4.0	700	0.25	1.0	8.4	166	1.82	2E11/2C11	DO-214AA
SMB2EZ12D5	12.0	41.5	4.5	700	0.25	1.0	9.1	152	1.66	2E12/2C12	DO-214AA
SMB2EZ13D5	13.0	38.5	5.0	700	0.25	0.5	9.9	138	1.54	2E13/2C13	DO-214AA
SMB2EZ14D5	14.0	35.7	5.5	700	0.25	0.5	10.6	130	1.43	2E14/2C14	DO-214AA
SMB2EZ15D5	15.0	33.4	7.0	700	0.25	0.5	11.4	122	1.33	2E15/2C15	DO-214AA
SMB2EZ16D5	16.0	31.2	8.0	700	0.25	0.5	12.2	114	1.25	2E16/2C16	DO-214AA
SMB2EZ17D5	17.0	29.4	9.0	750	0.25	0.5	13.0	107	1.18	2E17/2C17	DO-214AA
SMB2EZ18D5	18.0	27.8	10.0	750	0.25	0.5	13.7	100	1.11	2E18/2C18	DO-214AA
SMB2EZ19D5	19.0	26.3	11.0	750	0.25	0.5	14.4	95	1.05	2E19/2C19	DO-214AA
SMB2EZ20D5	20.0	25.0	11.0	750	0.25	0.5	15.2	90	1.00	2E20/2C20	DO-214AA
SMB2EZ22D5	22.0	22.8	12.0	750	0.25	0.5	16.7	82	0.91	2E22/2C22	DO-214AA
SMB2EZ24D5	24.0	20.8	13.0	750	0.25	0.5	18.2	76	0.83	2E24/2C24	DO-214AA
SMB2EZ27D5	27.0	18.5	18.0	750	0.25	0.5	20.6	68	0.74	2E27/2C27	DO-214AA
SMB2EZ30D5	30.0	16.6	20.0	1000	0.25	0.5	22.5	60	0.67	2E30/2C30	DO-214AA
SMB2EZ33D5	33.0	15.1	23.0	1000	0.25	0.5	25.1	55	0.61	2E33/2C33	DO-214AA
SMB2EZ36D5	36.0	13.9	25.0	1000	0.25	0.5	27.4	50	0.56	2E36/2C36	DO-214AA
SMB2EZ39D5	39.0	12.8	30.0	1000	0.25	0.5	29.7	47	0.51	2E39/2C39	DO-214AA
SMB2EZ43D5	43.0	11.6	35.0	1500	0.25	0.5	32.7	43	0.45	2E43/2C43	DO-214AA
SMB2EZ47D5	47.0	10.6	40.0	1500	0.25	0.5	35.8	39	0.42	2E47/2C47	DO-214AA



DO-214AA

## ZENER DIODES

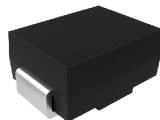
Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Maximum Zener Current	Surge Current	Marking Code	Package
	$V_Z @ I_{ZT}$	$I_{ZT}$	$Z_{ZT} @ I_{ZT}$	$Z_{ZK} @ I_{ZK}$	$I_{ZK}$	$I_R$	$V_R$	$I_{ZM}$	$I_S$		
	V	mA	$\Omega$	$\Omega$	mA	$\mu A$	V	mA	mA		
SMB2EZ51D5	51.0	9.8	48.0	1500	0.25	0.5	38.8	36	0.39	2E51/2C51	DO-214AA
SMB2EZ56D5	56.0	9.0	55.0	2000	0.25	0.5	42.6	32	0.36	2E56/2C56	DO-214AA
SMB2EZ62D5	62.0	8.1	60.0	2000	0.25	0.5	47.1	29	0.32	2E62/2C62	DO-214AA
SMB2EZ68D5	68.0	7.4	75.0	2000	0.25	0.5	51.7	27	0.29	2E68/2C68	DO-214AA
SMB2EZ75D5	75.0	6.7	90.0	2000	0.25	0.5	56.0	24	0.27	2E75/2C75	DO-214AA
SMB2EZ10D5HE3	10.0	50.0	3.5	700	0.25	3.0	7.6	182	2.00	2E10/2C10	DO-214AA
SMB2EZ11D5HE3	11.0	45.5	4.0	700	0.25	1.0	8.4	166	1.82	2E11/2C11	DO-214AA
SMB2EZ12D5HE3	12.0	41.5	4.5	700	0.25	1.0	9.1	152	1.66	2E12/2C12	DO-214AA
SMB2EZ13D5HE3	13.0	38.5	5.0	700	0.25	0.5	9.9	138	1.54	2E13/2C13	DO-214AA
SMB2EZ14D5HE3	14.0	35.7	5.5	700	0.25	0.5	10.6	130	1.43	2E14/2C14	DO-214AA
SMB2EZ15D5HE3	15.0	33.4	7.0	700	0.25	0.5	11.4	122	1.33	2E15/2C15	DO-214AA
SMB2EZ16D5HE3	16.0	31.2	8.0	700	0.25	0.5	12.2	114	1.25	2E16/2C16	DO-214AA
SMB2EZ17D5HE3	17.0	29.4	9.0	750	0.25	0.5	13.0	107	1.18	2E17/2C17	DO-214AA
SMB2EZ18D5HE3	18.0	27.8	10.0	750	0.25	0.5	13.7	100	1.11	2E18/2C18	DO-214AA
SMB2EZ19D5HE3	19.0	26.3	11.0	750	0.25	0.5	14.4	95	1.05	2E19/2C19	DO-214AA
SMB2EZ20D5HE3	20.0	25.0	11.0	750	0.25	0.5	15.2	90	1.00	2E20/2C20	DO-214AA
SMB2EZ22D5HE3	22.0	22.8	12.0	750	0.25	0.5	16.7	82	0.91	2E22/2C22	DO-214AA
SMB2EZ24D5HE3	24.0	20.8	13.0	750	0.25	0.5	18.2	76	0.83	2E24/2C24	DO-214AA
SMB2EZ27D5HE3	27.0	18.5	18.0	750	0.25	0.5	20.6	68	0.74	2E27/2C27	DO-214AA
SMB2EZ30D5HE3	30.0	16.6	20.0	1000	0.25	0.5	22.5	60	0.67	2E30/2C30	DO-214AA
SMB2EZ33D5HE3	33.0	15.1	23.0	1000	0.25	0.5	25.1	55	0.61	2E33/2C33	DO-214AA
SMB2EZ36D5HE3	36.0	13.9	25.0	1000	0.25	0.5	27.4	50	0.56	2E36/2C36	DO-214AA
SMB2EZ39D5HE3	39.0	12.8	30.0	1000	0.25	0.5	29.7	47	0.51	2E39/2C39	DO-214AA
SMB2EZ43D5HE3	43.0	11.6	35.0	1500	0.25	0.5	32.7	43	0.45	2E43/2C43	DO-214AA
SMB2EZ47D5HE3	47.0	10.6	40.0	1500	0.25	0.5	35.8	39	0.42	2E47/2C47	DO-214AA
SMB2EZ51D5HE3	51.0	9.8	48.0	1500	0.25	0.5	38.8	36	0.39	2E51/2C51	DO-214AA
SMB2EZ56D5HE3	56.0	9.0	55.0	2000	0.25	0.5	42.6	32	0.36	2E56/2C56	DO-214AA
SMB2EZ62D5HE3	62.0	8.1	60.0	2000	0.25	0.5	47.1	29	0.32	2E62/2C62	DO-214AA
SMB2EZ68D5HE3	68.0	7.4	75.0	2000	0.25	0.5	51.7	27	0.29	2E68/2C68	DO-214AA
SMB2EZ75D5HE3	75.0	6.7	90.0	2000	0.25	0.5	56.0	24	0.27	2E75/2C75	DO-214AA



DO-214AA

## ZENER DIODES

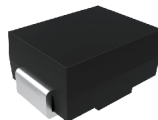
Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Maximum Zener Current	Marking Code	Package
	V <sub>Z</sub> @I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub> @I <sub>ZT</sub>	Z <sub>ZK</sub> @I <sub>ZK</sub>	I <sub>ZK</sub>	IR	VR	I <sub>ZM</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA		
SMB3EZ5.6D5	5.6	134.0	2.5	600	1.00	5.0	2.0	481	3H6	DO-214AA
SMB3EZ6.2D5	6.2	121.0	1.5	700	1.00	5.0	3.0	435	3A0	DO-214AA
SMB3EZ6.8D5	6.8	110.0	2.0	700	1.00	5.0	4.0	393	3A1	DO-214AA
SMB3EZ7.5D5	7.5	100.0	2.0	700	0.50	5.0	5.0	360	3A2	DO-214AA
SMB3EZ8.2D5	8.2	91.0	2.3	700	0.50	5.0	6.0	330	3A3	DO-214AA
SMB3EZ9.1D5	9.1	82.0	2.5	700	0.50	3.0	7.0	297	3A4	DO-214AA
SMB3EZ10D5	10.0	75.0	3.5	700	0.25	3.0	7.6	270	3A5	DO-214AA
SMB3EZ11D5	11.0	68.0	4.0	700	0.25	1.0	8.4	225	3A6	DO-214AA
SMB3EZ12D5	12.0	63.0	4.5	700	0.25	1.0	9.1	246	3A7	DO-214AA
SMB3EZ13D5	13.0	58.0	4.5	700	0.25	0.5	9.9	208	3A8	DO-214AA
SMB3EZ14D5	14.0	53.0	5.0	700	0.25	0.5	10.6	193	3A9	DO-214AA
SMB3EZ15D5	15.0	50.0	5.5	700	0.25	0.5	11.4	180	3B0	DO-214AA
SMB3EZ16D5	16.0	47.0	5.5	700	0.25	0.5	12.2	169	3B1	DO-214AA
SMB3EZ17D5	17.0	44.0	6.0	750	0.25	0.5	13.0	159	3B2	DO-214AA
SMB3EZ18D5	18.0	42.0	6.0	750	0.25	0.5	13.7	150	3B3	DO-214AA
SMB3EZ19D5	19.0	40.0	7.0	750	0.25	0.5	14.4	142	3B4	DO-214AA
SMB3EZ20D5	20.0	37.0	7.0	750	0.25	0.5	15.2	135	3B5	DO-214AA
SMB3EZ22D5	22.0	34.0	8.0	750	0.25	0.5	16.7	123	3B6	DO-214AA
SMB3EZ24D5	24.0	31.0	9.0	750	0.25	0.5	18.2	112	3B7	DO-214AA
SMB3EZ27D5	27.0	28.0	10.0	750	0.25	0.5	20.6	100	3B8	DO-214AA
SMB3EZ28D5	28.0	27.0	12.0	750	0.25	0.5	21.0	96	3B9	DO-214AA
SMB3EZ30D5	30.0	25.0	16.0	1000	0.25	0.5	22.5	90	3C0	DO-214AA
SMB3EZ33D5	33.0	23.0	20.0	1000	0.25	0.5	25.1	82	3C1	DO-214AA
SMB3EZ36D5	36.0	21.0	22.0	1000	0.25	0.5	27.4	75	3C2	DO-214AA
SMB3EZ39D5	39.0	19.0	28.0	1000	0.25	0.5	29.7	69	3C3	DO-214AA
SMB3EZ43D5	43.0	17.0	33.0	1500	0.25	0.5	32.7	63	3C4	DO-214AA
SMB3EZ47D5	47.0	16.0	38.0	1500	0.25	0.5	35.6	57	3C5	DO-214AA
SMB3EZ51D5	51.0	15.0	45.0	1500	0.25	0.5	38.8	53	3C6	DO-214AA
SMB3EZ56D5	56.0	13.0	50.0	2000	0.25	0.5	42.6	48	3C7	DO-214AA
SMB3EZ62D5	62.0	12.0	55.0	2000	0.25	0.5	47.1	44	3C8	DO-214AA
SMB3EZ68D5	68.0	11.0	70.0	2000	0.25	0.5	51.7	40	3C9	DO-214AA
SMB3EZ75D5	75.0	10.0	85.0	2000	0.25	0.5	56.0	38	3F0	DO-214AA
SMB3EZ82D5	82.0	9.1	95.0	3000	0.25	0.5	62.2	33	3F1	DO-214AA
SMB3EZ91D5	91.0	8.2	115.0	3000	0.25	0.5	69.2	30	3F2	DO-214AA
SMB3EZ100D5	100.0	7.5	160.0	3000	0.25	0.5	76.0	27	3F3	DO-214AA
SMB3EZ110D5	110.0	6.8	225.0	4000	0.25	0.5	83.6	25	3F4	DO-214AA
SMB3EZ120D5	120.0	6.3	300.0	4500	0.25	0.5	91.2	22	3F5	DO-214AA
SMB3EZ130D5	130.0	5.8	375.0	5000	0.25	0.5	98.8	21	3F6	DO-214AA
SMB3EZ140D5	140.0	5.3	475.0	5000	0.25	0.5	106.4	19	3F7	DO-214AA
SMB3EZ150D5	150.0	5.0	550.0	6000	0.25	0.5	114.0	18	3F8	DO-214AA
SMB3EZ160D5	160.0	4.7	625.0	6500	0.25	0.5	121.6	17	3F9	DO-214AA
SMB3EZ170D5	170.0	4.4	650.0	7000	0.25	0.5	130.4	16	3G1	DO-214AA
SMB3EZ180D5	180.0	4.2	700.0	7000	0.25	0.5	136.8	15	3G2	DO-214AA
SMB3EZ190D5	190.0	4.0	800.0	8000	0.25	0.5	144.8	14	3G3	DO-214AA
SMB3EZ200D5	200.0	3.7	875.0	8000	0.25	0.5	152.0	13	3G4	DO-214AA



DO-214AA

## ZENER DIODES

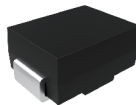
Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Marking Code	Package
	$V_z @ I_{zT}$	$I_{zT}$	$Z_{zT} @ I_{zT}$	$Z_{zk} @ I_{zk}$	$I_{zk}$	IR	VR		
	V	mA	$\Omega$	$\Omega$	mA	$\mu A$	V		
3SMBJ5918B	5.1	73.5	4.0	350	1.00	5	2.0	H18B	DO-214AA
3SMBJ5919B	5.6	66.9	2.0	250	1.00	5	3.0	H19B	DO-214AA
3SMBJ5920B	6.2	60.5	2.0	200	1.00	5	4.0	H20B	DO-214AA
3SMBJ5921B	6.8	55.1	2.5	200	1.00	5	5.2	H21B	DO-214AA
3SMBJ5922B	7.5	50.0	3.0	400	0.50	5	6.0	H22B	DO-214AA
3SMBJ5923B	8.2	45.7	3.5	400	0.50	5	6.5	H23B	DO-214AA
3SMBJ5924B	9.1	41.2	4.0	500	0.50	5	7.0	H24B	DO-214AA
3SMBJ5925B	10.0	37.5	4.5	500	0.25	5	8.0	H25B	DO-214AA
3SMBJ5926B	11.0	34.1	5.5	550	0.25	1	8.4	H26B	DO-214AA
3SMBJ5927B	12.0	31.2	6.5	550	0.25	1	9.1	H27B	DO-214AA
3SMBJ5928B	13.0	28.8	7.0	550	0.25	1	9.9	H28B	DO-214AA
3SMBJ5929B	15.0	25.0	9.0	600	0.25	1	11.4	H29B	DO-214AA
3SMBJ5930B	16.0	23.4	10.0	600	0.25	1	12.2	H30B	DO-214AA
3SMBJ5931B	18.0	20.8	12.0	650	0.25	1	13.7	H31B	DO-214AA
3SMBJ5932B	20.0	18.7	14.0	650	0.25	1	15.2	H32B	DO-214AA
3SMBJ5933B	22.0	17.0	17.5	650	0.25	1	16.7	H33B	DO-214AA
3SMBJ5934B	24.0	15.6	19.0	700	0.25	1	18.2	H34B	DO-214AA
3SMBJ5935B	27.0	13.9	23.0	700	0.25	1	20.6	H35B	DO-214AA
3SMBJ5936B	30.0	12.5	28.0	750	0.25	1	22.8	H36B	DO-214AA
3SMBJ5937B	33.0	11.4	33.0	800	0.25	1	25.1	H37B	DO-214AA
3SMBJ5938B	36.0	10.4	38.0	850	0.25	1	27.4	H38B	DO-214AA
3SMBJ5939B	39.0	9.6	45.0	900	0.25	1	29.7	H39B	DO-214AA
3SMBJ5940B	43.0	8.7	53.0	950	0.25	1	32.7	H40B	DO-214AA
3SMBJ5941B	47.0	8.0	67.0	1000	0.25	1	35.8	H41B	DO-214AA
3SMBJ5942B	51.0	7.3	70.0	1100	0.25	1	38.8	H42B	DO-214AA
3SMBJ5943B	56.0	6.7	86.0	1300	0.25	1	42.6	H43B	DO-214AA
3SMBJ5944B	62.0	6.0	100.0	1500	0.25	1	47.1	H44B	DO-214AA
3SMBJ5945B	68.0	5.5	120.0	1700	0.25	1	51.7	H45B	DO-214AA
3SMBJ5946B	75.0	5.0	140.0	2000	0.25	1	56.0	H46B	DO-214AA
3SMBJ5947B	82.0	4.6	160.0	2500	0.25	1	62.2	H47B	DO-214AA
3SMBJ5948B	91.0	4.1	200.0	3000	0.25	1	69.2	H48B	DO-214AA
3SMBJ5949B	100.0	3.7	250.0	3100	0.25	1	76.0	H49B	DO-214AA
3SMBJ5950B	110.0	3.4	300.0	4000	0.25	1	83.6	H50B	DO-214AA
3SMBJ5951B	120.0	3.1	380.0	4500	0.25	1	91.2	H51B	DO-214AA
3SMBJ5952B	130.0	2.9	450.0	5000	0.25	1	98.8	H52B	DO-214AA
3SMBJ5953B	150.0	2.5	600.0	6000	0.25	1	114.0	H53B	DO-214AA
3SMBJ5954B	160.0	2.3	700.0	6500	0.25	1	121.6	H54B	DO-214AA
3SMBJ5955B	180.0	2.1	900.0	7000	0.25	1	136.8	H55B	DO-214AA
3SMBJ5956B	200.0	1.9	1200.0	8000	0.25	1	152.0	H56B	DO-214AA
3SMBJ5925BHE3	10.0	37.5	4.5	500	0.25	5	8.0	H25B	DO-214AA
3SMBJ5926BHE3	11.0	34.1	5.5	550	0.25	1	8.4	H26B	DO-214AA
3SMBJ5927BHE3	12.0	31.2	6.5	550	0.25	1	9.1	H27B	DO-214AA
3SMBJ5928BHE3	13.0	28.8	7.0	550	0.25	1	9.9	H28B	DO-214AA
3SMBJ5929BHE3	15.0	25.0	9.0	600	0.25	1	11.4	H29B	DO-214AA
3SMBJ5930BHE3	16.0	23.4	10.0	600	0.25	1	12.2	H30B	DO-214AA
3SMBJ5931BHE3	18.0	20.8	12.0	650	0.25	1	13.7	H31B	DO-214AA
3SMBJ5932BHE3	20.0	18.7	14.0	650	0.25	1	15.2	H32B	DO-214AA



DO-214AA

## ZENER DIODES

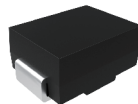
Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Maximum Zener Current	Maximum Surge Current	Maximum Voltage Regulation	Package
	V <sub>Z</sub> @I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub> @I <sub>ZT</sub>	Z <sub>ZK</sub> @I <sub>ZK</sub>	I <sub>ZK</sub>	IR	VR	I <sub>ZM</sub>	I <sub>ZSM</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA	A	V	
SMBJ5338B	5.1	240	1.5	400	1	1.0	1	930.0	14.4	0.39	DO-214AA
SMBJ5339B	5.6	220	1.0	400	1	1.0	2	865.0	13.4	0.25	DO-214AA
SMBJ5341B	6.2	200	1.0	200	1	1.0	3	765.0	12.4	0.10	DO-214AA
SMBJ5342B	6.8	175	1.0	200	1	10.0	5.2	700.0	11.5	0.15	DO-214AA
SMBJ5343B	7.5	175	1.5	200	1	10.0	5.7	630.0	10.7	0.15	DO-214AA
SMBJ5344B	8.2	150	1.5	200	1	10.0	6.2	580.0	10.0	0.20	DO-214AA
SMBJ5346B	9.1	150	2.0	150	1	7.5	6.9	520.0	9.2	0.22	DO-214AA
SMBJ5347B	10.0	125	2.0	125	1	5.0	7.6	475.0	8.6	0.22	DO-214AA
SMBJ5348B	11.0	125	2.5	125	1	5.0	8.4	430.0	8.0	0.25	DO-214AA
SMBJ5349B	12.0	100	2.5	125	1	2.0	9.1	395.0	7.5	0.25	DO-214AA
SMBJ5350B	13.0	100	2.5	100	1	1.0	9.9	365.0	7.0	0.25	DO-214AA
SMBJ5351B	14.0	100	2.5	75	1	1.0	10.6	340.0	6.7	0.25	DO-214AA
SMBJ5352B	15.0	75	2.5	75	1	1.0	11.5	315.0	6.3	0.25	DO-214AA
SMBJ5353B	16.0	75	2.5	75	1	1.0	12.2	295.0	6.0	0.30	DO-214AA
SMBJ5354B	17.0	70	2.5	75	1	0.5	12.9	280.0	5.8	0.35	DO-214AA
SMBJ5355B	18.0	65	2.5	75	1	0.5	13.7	264.0	5.5	0.40	DO-214AA
SMBJ5356B	19.0	65	3.0	75	1	0.5	14.4	250.0	5.3	0.40	DO-214AA
SMBJ5357B	20.0	65	3.0	75	1	0.5	15.2	237.0	5.1	0.40	DO-214AA
SMBJ5358B	22.0	50	3.5	75	1	0.5	16.7	216.0	4.7	0.45	DO-214AA
SMBJ5359B	24.0	50	3.5	100	1	0.5	18.2	198.0	4.4	0.55	DO-214AA
SMBJ5360B	25.0	50	4.0	110	1	0.5	19	190.0	4.3	0.55	DO-214AA
SMBJ5361B	27.0	50	5.0	120	1	0.5	20.6	176.0	4.1	0.60	DO-214AA
SMBJ5362B	28.0	50	6.0	130	1	0.5	21.2	170.0	3.9	0.60	DO-214AA
SMBJ5363B	30.0	40	8.0	140	1	0.5	22.8	158.0	3.7	0.60	DO-214AA
SMBJ5364B	33.0	40	10.0	150	1	0.5	25.1	144.0	3.5	0.60	DO-214AA
SMBJ5365B	36.0	30	11.0	160	1	0.5	27.4	132.0	3.3	0.65	DO-214AA
SMBJ5366B	39.0	30	14.0	170	1	0.5	29.7	122.0	3.1	0.65	DO-214AA
SMBJ5367B	43.0	30	20.0	190	1	0.5	32.7	110.0	2.8	0.70	DO-214AA
SMBJ5368B	47.0	25	25.0	210	1	0.5	35.8	100.0	2.7	0.80	DO-214AA
SMBJ5369B	51.0	25	27.0	230	1	0.5	38.8	93.0	2.5	0.90	DO-214AA
SMBJ5370B	56.0	20	35.0	280	1	0.5	42.6	86.0	2.3	1.00	DO-214AA
SMBJ5371B	60.0	20	40.0	350	1	0.5	45.5	79.0	2.2	1.20	DO-214AA
SMBJ5372B	62.0	20	42.0	400	1	0.5	47.1	76.0	2.1	1.35	DO-214AA
SMBJ5373B	68.0	20	44.0	500	1	0.5	51.7	70.0	2.0	1.50	DO-214AA
SMBJ5374B	75.0	20	45.0	620	1	0.5	56	63.0	1.9	1.60	DO-214AA
SMBJ5375B	82.0	15	65.0	720	1	0.5	62.2	58.0	1.8	1.80	DO-214AA
SMBJ5376B	87.0	15	75.0	760	1	0.5	66	54.5	1.7	2.00	DO-214AA
SMBJ5377B	91.0	15	75.0	760	1	0.5	69.2	52.5	1.6	2.20	DO-214AA
SMBJ5378B	100.0	12	90.0	800	1	0.5	76	47.5	1.5	2.30	DO-214AA
SMBJ5379B	110.0	12	125.0	1000	1	0.5	83.6	43.0	1.4	2.50	DO-214AA
SMBJ5380B	120.0	10	170.0	1150	1	0.5	91.2	39.5	1.3	2.50	DO-214AA
SMBJ5381B	130.0	10	190.0	1250	1	0.5	98.8	36.6	1.2	2.50	DO-214AA
SMBJ5382B	140.0	8	230.0	1500	1	0.5	106	34.0	1.2	2.50	DO-214AA
SMBJ5383B	150.0	8	330.0	1500	1	0.5	114	31.6	1.1	3.00	DO-214AA
SMBJ5384B	160.0	8	350.0	1650	1	0.5	122	29.4	1.1	3.00	DO-214AA
SMBJ5385B	170.0	8	380.0	1750	1	0.5	129	28.0	1.0	3.00	DO-214AA
SMBJ5386B	180.0	5	430.0	1750	1	0.5	137	26.4	1.0	4.00	DO-214AA



DO-214AA

## ZENER DIODES

Part Number	Zener Voltage	Test Current	Maximum Zener Impedance			Reverse Current		Maximum Zener Current	Maximum Surge Current	Maximum Voltage Regulation	Package
	V <sub>Z</sub> @I <sub>ZT</sub>	I <sub>ZT</sub>	Z <sub>ZT</sub> @I <sub>ZT</sub>	Z <sub>ZK</sub> @I <sub>ZK</sub>	I <sub>ZK</sub>	I <sub>R</sub>	V <sub>R</sub>	I <sub>ZM</sub>	I <sub>ZSM</sub>		
	V	mA	Ω	Ω	mA	μA	V	mA	A		
SMBJ5387B	190.0	5	450.0	1850	1	0.5	144	25.0	0.9	5.00	DO-214AA
SMBJ5388B	200.0	5	480.0	1850	1	0.5	152	23.6	0.9	5.00	DO-214AA
SMBJ5347BHE3	10.0	125	2.0	125	1	5.0	7.6	475.0	8.6	0.22	DO-214AA
SMBJ5348BHE3	11.0	125	2.5	125	1	5.0	8.4	430.0	8.0	0.25	DO-214AA
SMBJ5349BHE3	12.0	100	2.5	125	1	2.0	9.1	395.0	7.5	0.25	DO-214AA
SMBJ5350BHE3	13.0	100	2.5	100	1	1.0	9.9	365.0	7.0	0.25	DO-214AA
SMBJ5351BHE3	14.0	100	2.5	75	1	1.0	10.6	340.0	6.7	0.25	DO-214AA
SMBJ5352BHE3	15.0	75	2.5	75	1	1.0	11.5	315.0	6.3	0.25	DO-214AA
SMBJ5353BHE3	16.0	75	2.5	75	1	1.0	12.2	295.0	6.0	0.30	DO-214AA
SMBJ5354BHE3	17.0	70	2.5	75	1	0.5	12.9	280.0	5.8	0.35	DO-214AA
SMBJ5355BHE3	18.0	65	2.5	75	1	0.5	13.7	264.0	5.5	0.40	DO-214AA
SMBJ5356BHE3	19.0	65	3.0	75	1	0.5	14.4	250.0	5.3	0.40	DO-214AA
SMBJ5357BHE3	20.0	65	3.0	75	1	0.5	15.2	237.0	5.1	0.40	DO-214AA
SMBJ5358BHE3	22.0	50	3.5	75	1	0.5	16.7	216.0	4.7	0.45	DO-214AA
SMBJ5359BHE3	24.0	50	3.5	100	1	0.5	18.2	198.0	4.4	0.55	DO-214AA
SMBJ5360BHE3	25.0	50	4.0	110	1	0.5	19	190.0	4.3	0.55	DO-214AA
SMBJ5361BHE3	27.0	50	5.0	120	1	0.5	20.6	176.0	4.1	0.60	DO-214AA
SMBJ5362BHE3	28.0	50	6.0	130	1	0.5	21.2	170.0	3.9	0.60	DO-214AA
SMBJ5363BHE3	30.0	40	8.0	140	1	0.5	22.8	158.0	3.7	0.60	DO-214AA
SMBJ5364BHE3	33.0	40	10.0	150	1	0.5	25.1	144.0	3.5	0.60	DO-214AA
SMBJ5365BHE3	36.0	30	11.0	160	1	0.5	27.4	132.0	3.3	0.65	DO-214AA
SMBJ5366BHE3	39.0	30	14.0	170	1	0.5	29.7	122.0	3.1	0.65	DO-214AA
SMBJ5367BHE3	43.0	30	20.0	190	1	0.5	32.7	110.0	2.8	0.70	DO-214AA
SMBJ5368BHE3	47.0	25	25.0	210	1	0.5	35.8	100.0	2.7	0.80	DO-214AA
SMBJ5369BHE3	51.0	25	27.0	230	1	0.5	38.8	93.0	2.5	0.90	DO-214AA
SMBJ5370BHE3	56.0	20	35.0	280	1	0.5	42.6	86.0	2.3	1.00	DO-214AA
SMBJ5371BHE3	60.0	20	40.0	350	1	0.5	45.5	79.0	2.2	1.20	DO-214AA
SMBJ5372BHE3	62.0	20	42.0	400	1	0.5	47.1	76.0	2.1	1.35	DO-214AA
SMBJ5373BHE3	68.0	20	44.0	500	1	0.5	51.7	70.0	2.0	1.50	DO-214AA
SMBJ5374BHE3	75.0	20	45.0	620	1	0.5	56	63.0	1.9	1.60	DO-214AA
SMBJ5375BHE3	82.0	15	65.0	720	1	0.5	62.2	58.0	1.8	1.80	DO-214AA
SMBJ5376BHE3	87.0	15	75.0	760	1	0.5	66	54.5	1.7	2.00	DO-214AA
SMBJ5377BHE3	91.0	15	75.0	760	1	0.5	69.2	52.5	1.6	2.20	DO-214AA
SMBJ5378BHE3	100.0	12	90.0	800	1	0.5	76	47.5	1.5	2.30	DO-214AA
SMBJ5379BHE3	110.0	12	125.0	1000	1	0.5	83.6	43.0	1.4	2.50	DO-214AA
SMBJ5380BHE3	120.0	10	170.0	1150	1	0.5	91.2	39.5	1.3	2.50	DO-214AA
SMBJ5381BHE3	130.0	10	190.0	1250	1	0.5	98.8	36.6	1.2	2.50	DO-214AA
SMBJ5382BHE3	140.0	8	230.0	1500	1	0.5	106	34.0	1.2	2.50	DO-214AA
SMBJ5383BHE3	150.0	8	330.0	1500	1	0.5	114	31.6	1.1	3.00	DO-214AA
SMBJ5384BHE3	160.0	8	350.0	1650	1	0.5	122	29.4	1.1	3.00	DO-214AA
SMBJ5385BHE3	170.0	8	380.0	1750	1	0.5	129	28.5	1.0	3.00	DO-214AA
SMBJ5386BHE3	180.0	5	430.0	1750	1	0.5	137	26.4	1.0	4.00	DO-214AA
SMBJ5387BHE3	190.0	5	450.0	1850	1	0.5	144	25.0	0.9	5.00	DO-214AA
SMBJ5388BHE3	200.0	5	480.0	1850	1	0.5	152	23.6	0.9	5.00	DO-214AA



DO-214AA

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Reverse Leakage I <sub>R</sub> @ V <sub>WM</sub>	Maximum Clamping Voltage V <sub>C</sub> @ I <sub>pp</sub>	Maximum Peak Pulse Current I <sub>pp</sub>	Maximum Temperature Coefficient Of V <sub>BR</sub>	Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	μA	V	A	%/°C	
P4KE6.8A	P4KE6.8CA	6.45	7.14	10	5.80	1000	10.5	39.0	0.057	DO-41
P4KE7.5A	P4KE7.5CA	7.13	7.88	10	6.40	500	11.3	36.3	0.061	DO-41
P4KE8.2A	P4KE8.2CA	7.79	8.61	10	7.02	200	12.1	33.9	0.060	DO-41
P4KE9.1A	P4KE9.1CA	8.65	9.55	1	7.78	50	13.4	30.6	0.068	DO-41
P4KE10A	P4KE10CA	9.50	10.50	1	8.55	10	14.5	28.3	0.073	DO-41
P4KE11A	P4KE11CA	10.50	11.60	1	9.40	5	15.6	26.3	0.075	DO-41
P4KE12A	P4KE12CA	11.40	12.60	1	10.20	5	16.7	24.6	0.078	DO-41
P4KE13A	P4KE13CA	12.40	13.70	1	11.10	1	18.2	22.5	0.081	DO-41
P4KE15A	P4KE15CA	14.30	15.80	1	12.80	1	21.2	19.3	0.084	DO-41
P4KE16A	P4KE16CA	15.20	16.80	1	13.60	1	22.5	18.2	0.086	DO-41
P4KE18A	P4KE18CA	17.10	18.90	1	15.30	1	25.5	16.1	0.088	DO-41
P4KE20A	P4KE20CA	19.00	21.00	1	17.10	1	27.7	14.8	0.090	DO-41
P4KE22A	P4KE22CA	20.90	23.10	1	18.80	1	30.6	13.4	0.092	DO-41
P4KE24A	P4KE24CA	22.80	25.20	1	20.50	1	33.2	12.3	0.094	DO-41
P4KE27A	P4KE27CA	25.70	28.40	1	23.10	1	37.5	10.9	0.096	DO-41
P4KE30A	P4KE30CA	28.50	31.50	1	25.60	1	41.4	9.9	0.097	DO-41
P4KE33A	P4KE33CA	31.40	34.70	1	28.20	1	45.7	9.0	0.098	DO-41
P4KE36A	P4KE36CA	34.20	37.80	1	30.80	1	49.9	8.2	0.099	DO-41
P4KE39A	P4KE39CA	37.10	41.00	1	33.30	1	53.9	7.6	0.100	DO-41
P4KE43A	P4KE43CA	40.90	45.20	1	36.80	1	59.3	6.9	0.101	DO-41
P4KE47A	P4KE47CA	44.70	49.40	1	40.20	1	64.8	6.3	0.101	DO-41
P4KE51A	P4KE51CA	48.50	53.60	1	43.60	1	70.1	5.8	0.102	DO-41
P4KE56A	P4KE56CA	53.20	58.80	1	47.80	1	77.0	5.3	0.103	DO-41
P4KE62A	P4KE62CA	58.90	65.10	1	53.00	1	85.0	4.8	0.104	DO-41
P4KE68A	P4KE68CA	64.60	71.40	1	58.10	1	92.0	4.5	0.104	DO-41
P4KE75A	P4KE75CA	71.30	78.80	1	64.10	1	103.0	4.0	0.105	DO-41
P4KE82A	P4KE82CA	77.90	86.10	1	70.10	1	113.0	3.6	0.105	DO-41
P4KE91A	P4KE91CA	86.50	95.50	1	77.80	1	125.0	3.3	0.106	DO-41
P4KE100A	P4KE100CA	95.00	105.00	1	85.50	1	137.0	3.0	0.106	DO-41
P4KE110A	P4KE110CA	105.00	116.00	1	94.00	1	152.0	2.7	0.107	DO-41
P4KE120A	P4KE120CA	114.00	126.00	1	102.00	1	165.0	2.5	0.107	DO-41
P4KE130A	P4KE130CA	124.00	137.00	1	111.00	1	179.0	2.3	0.107	DO-41
P4KE150A	P4KE150CA	143.00	158.00	1	128.00	1	207.0	2.0	0.108	DO-41
P4KE160A	P4KE160CA	152.00	168.00	1	136.00	1	219.0	1.9	0.108	DO-41
P4KE170A	P4KE170CA	162.00	179.00	1	145.00	1	234.0	1.8	0.108	DO-41
P4KE180A	P4KE180CA	171.00	189.00	1	154.00	1	246.0	1.7	0.108	DO-41
P4KE200A	P4KE200CA	190.00	210.00	1	171.00	1	274.0	1.5	0.108	DO-41
P4KE220A	P4KE220CA	209.00	231.00	1	185.00	1	328.0	1.3	0.108	DO-41
P4KE250A	P4KE250CA	237.00	263.00	1	214.00	1	344.0	1.2	0.110	DO-41
P4KE300A	P4KE300CA	285.00	315.00	1	256.00	1	414.0	1.0	0.110	DO-41
P4KE350A	P4KE350CA	332.00	368.00	1	300.00	1	482.0	0.9	0.110	DO-41
P4KE400A	P4KE400CA	380.00	420.00	1	342.00	1	548.0	0.8	0.110	DO-41
P4KE440A	P4KE440CA	418.00	462.00	1	376.00	1	602.0	0.7	0.110	DO-41
P4KE480A	P4KE480CA	456.00	504.00	1	408.00	1	658.0	0.6	0.110	DO-41
P4KE510A	P4KE510CA	485.00	535.00	1	434.00	1	698.0	0.6	0.110	DO-41
P4KE530A	P4KE530CA	503.50	556.50	1	477.00	1	725.0	0.6	0.110	DO-41
P4KE540A	P4KE540CA	513.00	567.00	1	459.00	1	740.0	0.5	0.110	DO-41
P4KE550A	P4KE550CA	522.50	577.50	1	495.00	1	760.0	0.5	0.110	DO-41



DO-41

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage $V_{BR} @ I_T$ (Volt)		Test Current $I_T$	Reverse Standoff Voltage $V_{WM}$	Maximum Reverse Leakage $I_B @ V_{WM}$	Maximum Clamping Voltage $V_C @ I_{PP}$	Maximum Peak Pulse Current $I_{PP}$	Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	$\mu A$	V	A	
P5KE5.0A	P5KE5.0CA	6.40	7.25	10	5.0	600	9.2	54.3	DO-15
P5KE6.0A	P5KE6.0CA	6.67	7.67	10	6.0	600	10.3	48.5	DO-15
P5KE6.5A	P5KE6.5CA	7.22	8.30	10	6.5	400	11.2	44.7	DO-15
P5KE7.0A	P5KE7.0CA	7.78	8.95	10	7.0	150	12.0	41.7	DO-15
P5KE7.5A	P5KE7.5CA	8.33	9.58	1	7.5	50	12.9	38.8	DO-15
P5KE8.0A	P5KE8.0CA	8.89	10.23	1	8.0	25	13.6	36.7	DO-15
P5KE8.5A	P5KE8.5CA	9.44	10.82	1	8.5	10	14.4	34.7	DO-15
P5KE9.0A	P5KE9.0CA	10.00	11.50	1	9.0	5	15.4	32.5	DO-15
P5KE10A	P5KE10CA	11.10	12.80	1	10.0	3	17.0	29.4	DO-15
P5KE11A	P5KE11CA	12.20	14.00	1	11.0	3	18.2	27.4	DO-15
P5KE12A	P5KE12CA	13.30	15.30	1	12.0	3	19.9	25.1	DO-15
P5KE13A	P5KE13CA	14.40	16.50	1	13.0	3	21.5	23.2	DO-15
P5KE14A	P5KE14CA	15.60	17.90	1	14.0	3	23.2	21.5	DO-15
P5KE15A	P5KE15CA	16.70	19.20	1	15.0	3	24.4	20.6	DO-15
P5KE16A	P5KE16CA	17.80	20.50	1	16.0	3	26.0	19.2	DO-15
P5KE17A	P5KE17CA	18.90	21.70	1	17.0	3	27.6	16.1	DO-15
P5KE18A	P5KE18CA	20.00	23.30	1	18.0	3	29.2	17.2	DO-15
P5KE20A	P5KE20CA	22.20	25.50	1	20.0	3	32.4	15.4	DO-15
P5KE22A	P5KE22CA	24.40	28.00	1	22.0	3	35.5	14.1	DO-15
P5KE24A	P5KE24CA	26.70	30.70	1	24.0	3	38.9	12.8	DO-15
P5KE26A	P5KE26CA	28.90	33.20	1	26.0	3	42.1	11.9	DO-15
P5KE28A	P5KE28CA	31.10	35.80	1	28.0	3	45.4	11.0	DO-15
P5KE30A	P5KE30CA	33.30	38.30	1	30.0	3	48.4	10.3	DO-15
P5KE33A	P5KE33CA	36.70	42.20	1	33.0	3	53.3	9.4	DO-15
P5KE36A	P5KE36CA	40.00	46.00	1	36.0	3	58.1	8.6	DO-15
P5KE40A	P5KE40CA	44.40	51.10	1	40.0	3	64.5	7.8	DO-15
P5KE43A	P5KE43CA	47.80	54.90	1	43.0	3	69.4	7.2	DO-15
P5KE45A	P5KE45CA	50.00	57.50	1	45.0	3	72.7	6.9	DO-15
P5KE48A	P5KE48CA	53.30	61.30	1	48.0	3	77.4	6.5	DO-15
P5KE51A	P5KE51CA	56.70	65.20	1	51.0	3	82.4	6.1	DO-15
P5KE54A	P5KE54CA	60.00	69.00	1	54.0	3	87.1	5.7	DO-15
P5KE58A	P5KE58CA	64.40	74.10	1	58.0	3	93.6	5.3	DO-15
P5KE60A	P5KE60CA	66.70	76.70	1	60.0	3	96.8	5.2	DO-15
P5KE64A	P5KE64CA	71.10	81.80	1	64.0	3	103.0	4.9	DO-15
P5KE70A	P5KE70CA	77.80	89.50	1	70.0	3	113.0	4.4	DO-15
P5KE75A	P5KE75CA	83.30	95.80	1	75.0	3	121.0	4.1	DO-15
P5KE78A	P5KE78CA	86.70	99.70	1	78.0	3	126.0	4.0	DO-15
P5KE85A	P5KE85CA	94.40	108.20	1	85.0	3	137.0	3.6	DO-15
P5KE90A	P5KE90CA	100.00	115.50	1	90.0	3	146.0	3.4	DO-15
P5KE100A	P5KE100CA	111.00	128.00	1	100.0	3	162.0	3.1	DO-15
P5KE110A	P5KE110CA	122.00	140.50	1	110.0	3	177.0	2.8	DO-15
P5KE120A	P5KE120CA	133.00	153.00	1	120.0	3	193.0	2.0	DO-15
P5KE130A	P5KE130CA	144.00	165.50	1	130.0	3	209.0	2.4	DO-15
P5KE150A	P5KE150CA	167.00	192.50	1	150.0	3	243.0	2.1	DO-15
P5KE160A	P5KE160CA	178.00	205.00	1	160.0	3	259.0	1.9	DO-15
P5KE170A	P5KE170CA	189.00	217.50	1	170.0	3	275.0	1.8	DO-15
P5KE180A	P5KE180CA	198.00	230.40	1	180.0	3	292.0	1.7	DO-15
P5KE190A	P5KE190CA	209.00	243.20	1	190.0	3	308.0	1.6	DO-15
P5KE200A	P5KE200CA	220.00	256.00	1	200.0	3	324.0	1.5	DO-15



DO-15

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage V <sub>C</sub> @ I <sub>PP</sub>	Maximum Peak Pulse Current I <sub>PP</sub>	Maximum Reverse Leakage I <sub>R</sub> @ V <sub>WM</sub>	Maximum Temperature Coefficient Of V <sub>BR</sub>	Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	µA	%/°C	
SA5.0A	SA5.0CA	6.40	7.00	10	5.0	9.2	55.4	600	0.057	DO-15
SA6.0A	SA6.0CA	6.67	7.37	10	6.0	10.3	49.5	600	0.059	DO-15
SA6.5A	SA6.5CA	7.22	7.98	10	6.5	11.2	45.5	400	0.061	DO-15
SA7.0A	SA7.0CA	7.78	8.60	10	7.0	12.0	42.5	150	0.065	DO-15
SA7.5A	SA7.5CA	8.33	9.21	1	7.5	12.9	39.5	50	0.067	DO-15
SA8.0A	SA8.0CA	8.89	9.83	1	8.0	13.6	37.5	25	0.070	DO-15
SA8.5A	SA8.5CA	9.44	10.40	1	8.5	14.4	35.4	10	0.073	DO-15
SA9.0A	SA9.0CA	10.00	11.10	1	9.0	15.4	33.1	5	0.076	DO-15
SA10A	SA10CA	11.10	12.80	1	10.0	17.0	30.0	1	0.078	DO-15
SA11A	SA11CA	12.20	13.50	1	11.0	18.2	28.0	1	0.081	DO-15
SA12A	SA12CA	13.30	14.70	1	12.0	19.9	25.6	1	0.082	DO-15
SA13A	SA13CA	14.40	15.90	1	13.0	21.5	23.7	1	0.084	DO-15
SA14A	SA14CA	15.60	17.20	1	14.0	23.2	22.0	1	0.086	DO-15
SA15A	SA15CA	16.70	18.50	1	15.0	24.4	20.9	1	0.087	DO-15
SA16A	SA16CA	17.80	19.70	1	16.0	26.0	19.6	1	0.088	DO-15
SA17A	SA17CA	18.90	20.90	1	17.0	27.6	18.5	1	0.090	DO-15
SA18A	SA18CA	20.00	22.10	1	18.0	29.2	17.5	1	0.092	DO-15
SA20A	SA20CA	22.20	24.50	1	20.0	32.4	15.7	1	0.093	DO-15
SA22A	SA22CA	24.40	26.90	1	22.0	35.5	14.4	1	0.094	DO-15
SA24A	SA24CA	26.70	29.50	1	24.0	38.9	13.1	1	0.096	DO-15
SA26A	SA26CA	28.90	31.90	1	26.0	42.1	12.1	1	0.097	DO-15
SA28A	SA28CA	31.10	34.40	1	28.0	45.4	11.2	1	0.098	DO-15
SA30A	SA30CA	33.30	36.80	1	30.0	48.4	10.5	1	0.099	DO-15
SA33A	SA33CA	36.70	40.60	1	33.0	53.3	9.6	1	0.100	DO-15
SA36A	SA36CA	40.00	44.20	1	36.0	58.1	8.8	1	0.101	DO-15
SA40A	SA40CA	44.40	49.10	1	40.0	64.5	7.9	1	0.101	DO-15
SA43A	SA43CA	47.80	52.80	1	43.0	69.4	7.3	1	0.102	DO-15
SA45A	SA45CA	50.00	55.30	1	45.0	72.7	7.0	1	0.102	DO-15
SA48A	SA48CA	53.30	58.90	1	48.0	77.4	6.6	1	0.103	DO-15
SA51A	SA51CA	56.70	62.70	1	51.0	82.4	6.2	1	0.103	DO-15
SA54A	SA54CA	60.00	66.30	1	54.0	87.1	5.9	1	0.104	DO-15
SA58A	SA58CA	64.40	71.20	1	58.0	93.6	5.4	1	0.104	DO-15
SA60A	SA60CA	66.70	73.70	1	60.0	96.8	5.3	1	0.104	DO-15
SA64A	SA64CA	71.10	78.60	1	64.0	103.0	5.0	1	0.105	DO-15
SA70A	SA70CA	77.80	86.00	1	70.0	113.0	4.5	1	0.105	DO-15
SA75A	SA75CA	83.30	92.10	1	75.0	121.0	4.2	1	0.105	DO-15
SA78A	SA78CA	86.70	95.80	1	78.0	126.0	4.0	1	0.106	DO-15
SA85A	SA85CA	94.40	104.00	1	85.0	137.0	3.7	1	0.106	DO-15
SA90A	SA90CA	100.00	111.00	1	90.0	146.0	3.5	1	0.107	DO-15
SA100A	SA100CA	111.00	123.00	1	100.0	162.0	3.1	1	0.107	DO-15
SA110A	SA110CA	122.00	135.00	1	110.0	177.0	2.9	1	0.107	DO-15
SA120A	SA120CA	133.00	147.00	1	120.0	193.0	2.6	1	0.107	DO-15
SA130A	SA130CA	144.00	159.00	1	130.0	209.0	2.4	1	0.108	DO-15
SA150A	SA150CA	167.00	185.00	1	150.0	243.0	2.1	1	0.108	DO-15
SA160A	SA160CA	178.00	197.00	1	160.0	259.0	2.0	1	0.108	DO-15
SA170A	SA170CA	189.00	209.50	1	170.0	275.0	1.9	1	0.108	DO-15



DO-15

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number	Minimum Breakdown Voltage @ $I_T=1mA$ $V_{BR}$	Stand-off Voltage $V_{wm}$	Maximum Reverse Leakage @ $V_{wm}$ $I_R$	Maximum Clamping Voltage @ $I_{pp}=5.0A$ $V_c$	Maximum Peak Pulse Current $I_{pp}$	Maximum Junction Capacitance @ 0 Volts	Working Inverse Blocking Voltage $V_{WIB}$	Peak Inverse Blocking Voltage $V_{PIB}$	Package
	V	V	$\mu A$	V	A	pF	V	V	
SAC5.0	7.60	5.0	300	10.0	44.0	50	75	100	DO-15
SAC6.0	7.90	6.0	300	11.2	41.0	50	75	100	DO-15
SAC7.0	8.33	7.0	300	12.6	38.0	50	75	100	DO-15
SAC8.0	8.89	8.0	100	13.4	36.0	50	75	100	DO-15
SAC8.5	9.44	8.5	50	14.0	34.0	50	75	100	DO-15
SAC10	11.10	10.0	5	16.3	29.0	50	75	100	DO-15
SAC12	13.30	12.0	5	19.0	25.0	50	75	100	DO-15
SAC15	16.70	15.0	5	23.6	20.0	50	75	100	DO-15
SAC18	20.00	18.0	5	28.8	15.0	50	75	100	DO-15
SAC22	24.40	22.0	5	35.4	14.0	50	75	100	DO-15
SAC26	28.90	26.0	5	42.3	11.1	50	75	100	DO-15
SAC30	33.30	30.0	5	48.6	10.0	50	75	100	DO-15
SAC36	40.00	36.0	5	60.0	8.6	50	75	100	DO-15
SAC45	50.00	45.0	5	77.0	6.8	50	150	200	DO-15
SAC50	55.50	50.0	5	88.0	5.8	50	150	200	DO-15

Part Number	Minimum Breakdown Voltage @ $I_T=1mA$ $V_{BR}$	Stand-off Voltage $V_{wm}$	Maximum Reverse Leakage @ $V_{wm}$ $I_R$	Maximum Clamping Voltage @ $I_{pp}=5.0A$ $V_c$	Maximum Peak Pulse Current $I_{pp}$	Maximum Junction Capacitance @ 0 Volts	Working Inverse Blocking Voltage $V_{WIB}$	Peak Inverse Blocking Voltage $V_{PIB}$	Package
	V	V	$\mu A$	V	A	pF	V	V	
SAC136	150~170	136	1	219	2.7	35	700	700	DO-15

Part Number		Breakdown Voltage $V_{BR}$ @ $I_T$ (Volt)		Test Current $I_T$	Rated Standoff Voltage $V_{wm}$	Maximum Reverse Leakage $I_R$ @ $V_{wm}$	Maximum Clamping Voltage $V_c$ @ $I_{pp}$	Maximum Peak Pulse Current $I_{pp}$	Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	$\mu A$	V	A	
P6KE6.8A	P6KE6.8CA	6.45	7.14	10	5.8	1000	10.5	57.0	DO-15
P6KE7.5A	P6KE7.5CA	7.13	7.88	10	6.4	500	11.3	53.0	DO-15
P6KE8.2A	P6KE8.2CA	7.79	8.61	10	7.0	200	12.1	50.0	DO-15
P6KE9.1A	P6KE9.1CA	8.65	9.55	1	7.8	50	13.4	45.0	DO-15
P6KE10A	P6KE10CA	9.50	10.50	1	8.6	10	14.5	41.0	DO-15
P6KE11A	P6KE11CA	10.50	11.60	1	9.4	5	15.6	38.0	DO-15
P6KE12A	P6KE12CA	11.40	12.60	1	10.2	5	16.7	36.0	DO-15
P6KE13A	P6KE13CA	12.40	13.70	1	11.1	1	18.2	33.0	DO-15
P6KE15A	P6KE15CA	14.30	15.80	1	12.8	1	21.2	28.0	DO-15
P6KE16A	P6KE16CA	15.20	16.80	1	13.6	1	22.5	27.0	DO-15
P6KE18A	P6KE18CA	17.10	18.90	1	15.3	1	25.2	24.0	DO-15
P6KE20A	P6KE20CA	19.00	21.00	1	17.1	1	27.7	22.0	DO-15
P6KE22A	P6KE22CA	20.90	23.10	1	18.8	1	30.6	20.0	DO-15
P6KE24A	P6KE24CA	22.80	25.20	1	20.5	1	33.2	18.0	DO-15
P6KE27A	P6KE27CA	25.70	28.40	1	23.1	1	37.5	16.0	DO-15
P6KE30A	P6KE30CA	28.50	31.50	1	25.6	1	41.4	14.4	DO-15
P6KE33A	P6KE33CA	31.40	34.70	1	28.2	1	45.7	13.2	DO-15
P6KE36A	P6KE36CA	34.20	37.80	1	30.8	1	49.9	12.0	DO-15



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## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage $V_{BR}$ @ $I_T$ (Volt)		Test Current $I_T$	Rated Standoff Voltage $V_{wm}$	Maximum Reverse Leakage $I_{R}$ @ $V_{wm}$	Maximum Clamping Voltage $V_c$ @ $I_{pp}$	Maximum Peak Pulse Current $I_{pp}$	Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	$\mu$ A	V	A	
P6KE39A	P6KE39CA	37.10	41.00	1	33.3	1	53.9	11.2	DO-15
P6KE43A	P6KE43CA	40.90	45.20	1	36.8	1	59.3	10.1	DO-15
P6KE47A	P6KE47CA	44.70	49.40	1	40.2	1	64.8	9.3	DO-15
P6KE51A	P6KE51CA	48.50	53.60	1	43.6	1	70.1	8.6	DO-15
P6KE56A	P6KE56CA	53.20	58.80	1	47.8	1	77.0	7.8	DO-15
P6KE62A	P6KE62CA	58.90	65.10	1	53.0	1	85.0	7.1	DO-15
P6KE68A	P6KE68CA	64.60	71.40	1	58.1	1	92.0	6.5	DO-15
P6KE75A	P6KE75CA	71.30	78.80	1	64.1	1	103.0	5.8	DO-15
P6KE82A	P6KE82CA	77.90	86.10	1	70.1	1	113.0	5.3	DO-15
P6KE91A	P6KE91CA	86.50	95.50	1	77.8	1	125.0	4.8	DO-15
P6KE100A	P6KE100CA	95.00	105.00	1	85.5	1	137.0	4.4	DO-15
P6KE110A	P6KE110CA	105.00	116.00	1	94.0	1	152.0	4.0	DO-15
P6KE120A	P6KE120CA	114.00	126.00	1	102.0	1	165.0	3.6	DO-15
P6KE130A	P6KE130CA	124.00	137.00	1	111.0	1	179.0	3.3	DO-15
P6KE150A	P6KE150CA	143.00	158.00	1	128.0	1	207.0	2.9	DO-15
P6KE160A	P6KE160CA	152.00	168.00	1	136.0	1	219.0	2.7	DO-15
P6KE170A	P6KE170CA	161.00	179.00	1	145.0	1	234.0	2.6	DO-15
P6KE180A	P6KE180CA	171.00	189.00	1	154.0	1	246.0	2.4	DO-15
P6KE200A	P6KE200CA	190.00	210.00	1	171.0	1	274.0	2.2	DO-15
P6KE220A	P6KE220CA	209.00	231.00	1	185.0	1	328.0	1.9	DO-15
P6KE250A	P6KE250CA	237.00	263.00	1	214.0	1	344.0	1.8	DO-15
P6KE300A	P6KE300CA	285.00	315.00	1	256.0	1	414.0	1.5	DO-15
P6KE350A	P6KE350CA	332.00	368.00	1	300.0	1	482.0	1.3	DO-15
P6KE400A	P6KE400CA	380.00	420.00	1	342.0	1	548.0	1.1	DO-15
P6KE440A	P6KE440CA	418.00	462.00	1	376.0	1	600.0	1.0	DO-15
P6KE480A	P6KE480CA	456.00	504.00	1	408.0	1	658.0	0.9	DO-15
P6KE510A	P6KE510CA	485.00	535.00	1	434.0	1	698.0	0.9	DO-15
P6KE540A	P6KE540CA	513.00	567.00	1	459.0	1	740.0	0.8	DO-15
P6KE600A	P6KE600CA	570.00	630.00	1	512.0	1	828.0	0.8	DO-15



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## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage $V_{BR}$ @ $I_T$ (Volt)		Test Current $I_T$	Reverse Standoff Voltage $V_{RWM}$	Maximum Clamping Voltage $V_C$ @ $I_{pp}$	Peak Pulse Current $I_{pp}$	Reverse Leakage $I_R$ @ $V_{RWM}$	Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	$\mu A$	
3KP5.0A	3KP5.0CA	6.40	7.00	50	5.0	9.2	326.1	5000	R-6
3KP6.0A	3KP6.0CA	6.67	7.37	50	6.0	10.3	291.3	5000	R-6
3KP6.5A	3KP6.5CA	7.22	7.98	50	6.5	11.2	267.9	2000	R-6
3KP7.0A	3KP7.0CA	7.78	8.60	50	7.0	12.0	250.0	1000	R-6
3KP7.5A	3KP7.5CA	8.33	9.21	5	7.5	12.9	232.6	250	R-6
3KP8.0A	3KP8.0CA	8.89	9.83	5	8.0	13.6	220.6	150	R-6
3KP8.5A	3KP8.5CA	9.44	10.40	5	8.5	14.4	208.3	50	R-6
3KP9.0A	3KP9.0CA	10.00	11.10	5	9.0	15.4	194.8	20	R-6
3KP10A	3KP10CA	11.10	12.30	5	10.0	17.0	176.5	15	R-6
3KP11A	3KP11CA	12.20	13.50	5	11.0	18.2	164.8	10	R-6
3KP12A	3KP12CA	13.30	14.70	5	12.0	19.9	150.8	10	R-6
3KP13A	3KP13CA	14.40	15.90	5	13.0	21.5	139.5	10	R-6
3KP14A	3KP14CA	15.60	17.20	5	14.0	23.2	129.3	10	R-6
3KP15A	3KP15CA	16.70	18.50	5	15.0	24.4	123.0	10	R-6
3KP16A	3KP16CA	17.80	19.70	5	16.0	26.0	115.4	10	R-6
3KP17A	3KP17CA	18.90	20.90	5	17.0	27.6	108.7	10	R-6
3KP18A	3KP18CA	20.00	22.10	5	18.0	29.2	102.7	10	R-6
3KP20A	3KP20CA	22.20	24.50	5	20.0	32.4	92.6	10	R-6
3KP22A	3KP22CA	24.40	26.90	5	22.0	35.5	84.5	10	R-6
3KP24A	3KP24CA	26.70	29.50	5	24.0	38.9	77.1	10	R-6
3KP26A	3KP26CA	28.90	31.90	5	26.0	42.1	71.3	10	R-6
3KP28A	3KP28CA	31.10	34.40	5	28.0	45.4	66.1	10	R-6
3KP30A	3KP30CA	33.30	36.80	5	30.0	48.4	62.0	10	R-6
3KP33A	3KP33CA	36.70	40.60	5	33.0	53.3	56.3	10	R-6
3KP36A	3KP36CA	40.00	44.20	5	36.0	58.1	51.6	10	R-6
3KP40A	3KP40CA	44.40	49.10	5	40.0	64.5	46.5	10	R-6
3KP43A	3KP43CA	47.80	52.80	5	43.0	69.4	43.2	10	R-6
3KP45A	3KP45CA	50.00	55.30	5	45.0	72.7	41.3	10	R-6
3KP48A	3KP48CA	53.30	58.90	5	48.0	77.4	38.8	10	R-6
3KP51A	3KP51CA	56.70	62.70	5	51.0	82.4	36.4	10	R-6
3KP54A	3KP54CA	60.00	66.30	5	54.0	87.1	34.4	10	R-6
3KP58A	3KP58CA	64.40	71.20	5	58.0	93.6	32.1	10	R-6
3KP60A	3KP60CA	66.70	73.70	5	60.0	96.8	31.0	10	R-6
3KP64A	3KP64CA	71.10	78.60	5	64.0	103.0	29.1	10	R-6
3KP70A	3KP70CA	77.80	86.00	5	70.0	113.0	26.5	10	R-6
3KP75A	3KP75CA	83.30	92.10	5	75.0	121.0	24.8	10	R-6
3KP78A	3KP78CA	86.70	95.80	5	78.0	126.0	23.8	10	R-6
3KP85A	3KP85CA	94.40	104.00	5	85.0	137.0	21.9	10	R-6
3KP90A	3KP90CA	100.00	111.00	5	90.0	146.0	20.5	10	R-6
3KP100A	3KP100CA	111.00	123.00	5	100.0	162.0	18.5	10	R-6
3KP110A	3KP110CA	122.00	135.00	5	110.0	177.0	16.9	10	R-6
3KP120A	3KP120CA	133.00	147.00	5	120.0	193.0	15.5	10	R-6
3KP130A	3KP130CA	144.00	159.00	5	130.0	209.0	14.4	10	R-6
3KP150A	3KP150CA	167.00	185.00	5	150.0	243.0	12.3	10	R-6



R-6

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage $V_{BR} @ I_T$ (Volt)		Test Current $I_T$	Reverse Standoff Voltage $V_{RWM}$	Maximum Clamping Voltage $V_C @ I_{pp}$	Peak Pulse Current $I_{pp}$	Reverse Leakage $I_R @ V_{RWM}$	Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	$\mu A$	
3KP160A	3KP160CA	178.00	197.00	5	160.0	259.0	11.6	10	R-6
3KP170A	3KP170CA	189.00	209.00	5	170.0	275.0	10.9	10	R-6
3KP180A	3KP180CA	200.00	221.00	5	180.0	289.0	10.4	10	R-6
3KP190A	3KP190CA	211.00	233.00	5	190.0	310.0	9.7	10	R-6
3KP200A	3KP200CA	222.00	246.00	5	200.0	329.2	9.1	10	R-6
3KP210A	3KP210CA	233.00	258.00	5	210.0	349.5	8.6	10	R-6
3KP220A	3KP220CA	244.00	270.00	5	220.0	371.1	8.1	10	R-6
5KP5.0A	5KP5.0CA	6.4	7.0	50	5.0	9.2	543.0	5000	R-6
5KP6.0A	5KP6.0CA	6.7	7.4	50	6.0	10.3	485.0	5000	R-6
5KP6.5A	5KP6.5CA	7.2	8.0	50	6.5	11.2	447.0	2000	R-6
5KP7.0A	5KP7.0CA	7.8	8.6	50	7.0	12.0	417.0	1000	R-6
5KP7.5A	5KP7.5CA	8.3	9.2	5	7.5	12.9	388.0	250	R-6
5KP8.0A	5KP8.0CA	8.9	9.8	5	8.0	13.6	367.0	150	R-6
5KP8.5A	5KP8.5CA	9.4	10.4	5	8.5	14.4	347.0	50	R-6
5KP9.0A	5KP9.0CA	10.0	11.1	5	9.0	15.4	325.0	20	R-6
5KP10A	5KP10CA	11.1	12.3	5	10.0	17.0	294.0	15	R-6
5KP11A	5KP11CA	12.2	13.5	5	11.0	18.2	274.0	10	R-6
5KP12A	5KP12CA	13.3	14.7	5	12.0	19.9	251.0	10	R-6
5KP13A	5KP13CA	14.4	15.9	5	13.0	21.5	232.0	10	R-6
5KP14A	5KP14CA	15.6	17.2	5	14.0	23.2	215.0	10	R-6
5KP15A	5KP15CA	16.7	18.5	5	15.0	24.4	206.0	10	R-6
5KP16A	5KP16CA	17.8	19.7	5	16.0	26.0	192.0	10	R-6
5KP17A	5KP17CA	18.9	20.9	5	17.0	27.6	181.0	10	R-6
5KP18A	5KP18CA	20.0	22.1	5	18.0	29.2	172.0	10	R-6
5KP20A	5KP20CA	22.2	24.5	5	20.0	32.4	154.0	10	R-6
5KP22A	5KP22CA	24.4	26.9	5	22.0	35.5	141.0	10	R-6
5KP24A	5KP24CA	26.7	29.5	5	24.0	38.9	128.0	10	R-6
5KP26A	5KP26CA	28.9	31.9	5	26.0	42.1	119.0	10	R-6
5KP28A	5KP28CA	31.1	34.4	5	28.0	45.4	110.0	10	R-6
5KP30A	5KP30CA	33.3	36.8	5	30.0	48.4	103.0	10	R-6
5KP33A	5KP33CA	36.7	40.6	5	33.0	53.3	94.0	10	R-6
5KP36A	5KP36CA	40.0	44.2	5	36.0	58.1	86.0	10	R-6
5KP40A	5KP40CA	44.4	49.1	5	40.0	64.5	78.0	10	R-6
5KP43A	5KP43CA	47.8	52.8	5	43.0	69.4	72.0	10	R-6
5KP45A	5KP45CA	50.0	55.3	5	45.0	72.7	69.0	10	R-6
5KP48A	5KP48CA	53.3	58.9	5	48.0	77.4	65.0	10	R-6
5KP51A	5KP51CA	56.7	62.7	5	51.0	82.4	61.0	10	R-6
5KP54A	5KP54CA	60.0	66.3	5	54.0	87.1	57.0	10	R-6
5KP58A	5KP58CA	64.4	71.2	5	58.0	93.6	53.0	10	R-6
5KP60A	5KP60CA	66.7	73.7	5	60.0	96.8	52.0	10	R-6
5KP64A	5KP64CA	71.1	78.6	5	64.0	103.0	49.0	10	R-6
5KP70A	5KP70CA	77.8	86.0	5	70.0	113.0	44.0	10	R-6
5KP75A	5KP75CA	83.3	92.1	5	75.0	121.0	41.0	10	R-6
5KP78A	5KP78CA	86.7	95.8	5	78.0	126.0	40.0	10	R-6



R-6

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage $V_{BR}$ @ $I_T$ (Volt)		Test Current $I_T$	Reverse Standoff Voltage $V_{RWM}$	Maximum Clamping Voltage $V_C$ @ $I_{pp}$	Peak Pulse Current $I_{pp}$	Reverse Leakage $I_R$ @ $V_{RWM}$	Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	$\mu A$	
5KP85A	5KP85CA	94.4	104.0	5	85.0	137.0	36.0	10	R-6
5KP90A	5KP90CA	100.0	111.0	5	90.0	146.0	34.0	10	R-6
5KP100A	5KP100CA	111.0	123.0	5	100.0	162.0	31.0	10	R-6
5KP110A	5KP110CA	122.0	135.0	5	110.0	177.0	28.0	10	R-6
5KP120A	5KP120CA	133.0	147.0	5	120.0	193.0	26.4	10	R-6
5KP130A	5KP130CA	144.0	159.0	5	130.0	209.0	24.4	10	R-6
5KP150A	5KP150CA	167.0	185.0	5	150.0	243.0	21.0	10	R-6
5KP160A	5KP160CA	178.0	197.0	5	160.0	259.0	19.7	10	R-6
5KP170A	5KP170CA	189.0	209.0	5	170.0	275.0	18.5	10	R-6
5KP180A	5KP180CA	200.0	221.0	5	180.0	292.0	17.5	10	R-6
5KP190A	5KP190CA	211.0	233.0	5	190.0	310.0	16.5	10	R-6
5KP200A	5KP200CA	222.0	246.0	5	200.0	329.2	15.5	10	R-6
5KP210A	5KP210CA	233.0	258.0	5	210.0	349.5	14.6	10	R-6
5KP220A	5KP220CA	244.0	270.0	5	220.0	371.1	13.7	10	R-6
5KP250A	5KP250CA	277.0	306.0	5	250.0	425.0	12.0	10	R-6
15KP17A	15KP17CA	18.90	20.79	50	17.0	29.3	512.0	5000	R-6
15KP18A	15KP18CA	20.00	22.01	50	18.0	30.9	485.0	5000	R-6
15KP20A	15KP20CA	22.20	24.46	20	20.0	34.3	437.0	1500	R-6
15KP22A	15KP22CA	24.40	26.91	10	22.0	37.1	404.0	500	R-6
15KP24A	15KP24CA	26.70	29.35	5	24.0	40.5	369.0	150	R-6
15KP26A	15KP26CA	28.90	31.80	5	26.0	44.0	347.0	50	R-6
15KP28A	15KP28CA	31.10	34.24	5	28.0	47.5	316.0	25	R-6
15KP30A	15KP30CA	33.30	36.69	5	30.0	50.7	296.0	15	R-6
15KP33A	15KP33CA	36.70	40.40	5	33.0	54.8	274.0	10	R-6
15KP36A	15KP36CA	40.00	44.00	5	36.0	59.7	251.0	10	R-6
15KP40A	15KP40CA	44.40	48.90	5	40.0	65.8	228.0	10	R-6
15KP43A	15KP43CA	47.80	52.60	5	43.0	69.7	215.0	10	R-6
15KP45A	15KP45CA	50.00	55.00	5	45.0	73.0	205.0	10	R-6
15KP48A	15KP48CA	53.30	58.70	5	48.0	77.7	193.0	10	R-6
15KP51A	15KP51CA	56.70	62.40	5	51.0	82.8	181.0	10	R-6
15KP54A	15KP54CA	60.00	66.00	5	54.0	87.5	171.0	10	R-6
15KP58A	15KP58CA	64.40	70.90	5	58.0	94.0	160.0	10	R-6
15KP60A	15KP60CA	66.70	73.40	5	60.0	97.3	154.0	10	R-6
15KP64A	15KP64CA	71.10	78.30	5	64.0	104.0	144.0	10	R-6
15KP70A	15KP70CA	77.80	85.60	5	70.0	114.0	132.0	10	R-6
15KP75A	15KP75CA	83.30	91.70	5	75.0	122.0	123.0	10	R-6
15KP78A	15KP78CA	86.70	95.40	5	78.0	126.0	119.0	10	R-6
15KP85A	15KP85CA	94.40	104.00	5	85.0	137.0	109.0	10	R-6
15KP90A	15KP90CA	100.00	110.10	5	90.0	146.0	103.0	10	R-6
15KP100A	15KP100CA	111.00	122.30	5	100.0	162.0	93.0	10	R-6
15KP110A	15KP110CA	122.00	134.50	5	110.0	178.0	84.0	10	R-6
15KP120A	15KP120CA	133.00	146.80	5	120.0	193.0	78.0	10	R-6
15KP130A	15KP130CA	144.00	159.00	5	130.0	209.0	72.0	10	R-6
15KP150A	15KP150CA	167.00	183.50	5	150.0	243.0	62.0	10	R-6



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## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage $V_{BR}$ @ $I_T$ (Volt)		Test Current $I_T$	Reverse Standoff Voltage $V_{RWM}$	Maximum Clamping Voltage $V_C$ @ $I_{pp}$	Peak Pulse Current $I_{pp}$	Reverse Leakage $I_R$ @ $V_{RWM}$	Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	$\mu A$	
15KP160A	15KP160CA	178.00	195.70	5	160.0	259.0	58.0	10	R-6
15KP170A	15KP170CA	189.00	207.90	5	170.0	275.0	55.0	10	R-6
15KP180A	15KP180CA	200.00	220.10	5	180.0	291.0	52.0	10	R-6
15KP200A	15KP200CA	222.00	244.60	5	200.0	322.0	47.0	10	R-6
15KP220A	15KP220CA	245.00	269.10	5	220.0	356.0	42.0	10	R-6
15KP240A	15KP240CA	267.00	293.50	5	240.0	388.0	39.0	10	R-6
15KP260A	15KP260CA	289.00	318.00	5	260.0	419.0	36.0	10	R-6
15KP280A	15KP280CA	311.00	342.40	5	280.0	452.0	33.0	10	R-6
30KP28A	30KP28CA	31.28	34.24	50	28.0	50.0	606.0	5000	R-6
30KP30A	30KP30CA	33.51	36.69	50	30.0	55.2	548.9	5000	R-6
30KP33A	30KP33CA	36.90	40.40	50	33.0	58.5	517.9	5000	R-6
30KP36A	30KP36CA	40.20	44.00	50	36.0	61.8	490.3	5000	R-6
30KP39A	30KP39CA	43.60	47.70	20	39.0	67.2	450.9	2000	R-6
30KP42A	30KP42CA	46.90	51.40	10	42.0	72.0	420.8	1000	R-6
30KP43A	30KP43CA	48.00	52.60	10	43.0	73.0	415.1	1000	R-6
30KP45A	30KP45CA	50.30	55.00	5	45.0	77.4	391.5	250	R-6
30KP48A	30KP48CA	53.60	58.70	5	48.0	81.6	371.3	150	R-6
30KP51A	30KP51CA	57.00	62.40	5	51.0	86.4	350.7	50	R-6
30KP54A	30KP54CA	60.30	66.00	5	54.0	91.4	331.5	20	R-6
30KP58A	30KP58CA	64.80	70.90	5	58.0	92.4	327.9	20	R-6
30KP60A	30KP60CA	67.00	73.40	5	60.0	102.0	297.1	15	R-6
30KP64A	30KP64CA	71.50	78.30	5	64.0	104.0	291.3	10	R-6
30KP66A	30KP66CA	73.70	80.70	5	66.0	107.0	283.2	10	R-6
30KP70A	30KP70CA	78.20	85.60	5	70.0	109.0	278.0	10	R-6
30KP71A	30KP71CA	79.30	86.80	5	71.0	111.5	271.7	10	R-6
30KP72A	30KP72CA	80.40	88.10	5	72.0	114.0	265.8	10	R-6
30KP75A	30KP75CA	83.80	91.70	5	75.0	119.4	253.8	10	R-6
30KP78A	30KP78CA	87.10	95.40	5	78.0	129.0	234.9	10	R-6
30KP84A	30KP84CA	93.80	102.70	5	84.0	139.2	217.7	10	R-6
30KP90A	30KP90CA	100.50	110.10	5	90.0	146.4	207.0	10	R-6
30KP96A	30KP96CA	107.20	117.40	5	96.0	156.0	194.2	10	R-6
30KP102A	30KP102CA	113.90	124.70	5	102.0	165.6	183.0	10	R-6
30KP108A	30KP108CA	120.60	132.10	5	108.0	175.2	172.9	10	R-6
30KP120A	30KP120CA	134.00	146.80	5	120.0	194.4	155.9	10	R-6
30KP132A	30KP132CA	147.40	161.40	5	132.0	213.0	142.3	10	R-6
30KP144A	30KP144CA	160.80	176.10	5	144.0	223.2	135.8	10	R-6
30KP150A	30KP150CA	167.60	183.50	5	150.0	233.4	129.8	10	R-6
30KP156A	30KP156CA	174.30	190.80	5	156.0	245.0	123.7	10	R-6
30KP160A	30KP160CA	178.70	195.70	5	160.0	252.6	120.0	10	R-6
30KP168A	30KP168CA	187.70	205.50	5	168.0	272.4	111.2	10	R-6
30KP170A	30KP170CA	189.90	207.90	5	170.0	275.0	110.2	10	R-6
30KP180A	30KP180CA	201.10	220.10	5	180.0	290.4	104.3	10	R-6
30KP198A	30KP198CA	221.20	242.20	5	198.0	319.8	94.7	10	R-6
30KP216A	30KP216CA	241.30	264.20	5	216.0	348.6	86.9	10	R-6



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## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage $V_{BR} @ I_T$ (Volt)		Test Current $I_T$	Reverse Standoff Voltage $V_{RWM}$	Maximum Clamping Voltage $V_C @ I_{pp}$	Peak Pulse Current $I_{pp}$	Reverse Leakage $I_R @ V_{RWM}$	Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	$\mu A$	
30KP240A	30KP240CA	268.10	293.50	5	240.0	387.0	78.3	10	R-6
30KP258A	30KP258CA	288.20	315.50	5	258.0	416.4	72.8	10	R-6
30KP260A	30KP260CA	290.40	318.00	5	260.0	416.0	72.8	10	R-6
30KP270A	30KP270CA	301.60	330.20	5	270.0	436.2	69.5	10	R-6
30KP280A	30KP280CA	312.80	342.40	5	280.0	464.0	65.3	10	R-6
30KP288A	30KP288CA	321.70	352.20	5	288.0	469.9	64.5	10	R-6

Part Number	Breakdown Voltage $V_{BR} @ I_T$ (Volt)		Test Current $I_T$	Standoff Voltage $V_{WM}$	Maximum Peak Pulse Current $I_{pp}$	Maximum Clamping Voltage $V_C @ I_{pp}$	Maximum Peak Pulse Current Fig.3 $I_{ppm}$	Maximum Junction Capacitance At 0 Volts	Working Inverse Blocking Voltage $V_{WIB}$	Working Inverse Blocking Voltage $V_{WIB}$	Peak Inverse Blocking Voltage $V_{PIB}$	Package
	Min	Max	mA	V	A	V	A	pF	V	V	V	
LCE6.5A	7.22	7.98	10	6.5	1000	11.2	100	100	75	1	100	DO-201AE
LCE7.0A	7.78	8.60	10	7.0	500	12.0	100	100	75	1	100	DO-201AE
LCE7.5A	8.33	9.21	10	7.5	250	12.9	100	100	75	1	100	DO-201AE
LCE8.0A	8.89	9.83	1	8.0	100	13.6	100	100	75	1	100	DO-201AE
LCE8.5A	9.44	10.40	1	8.5	50	14.4	100	100	75	1	100	DO-201AE
LCE9.0A	10.00	11.10	1	9.0	10	15.4	97	100	75	1	100	DO-201AE
LCE10A	11.10	12.30	1	10.0	5	17.0	88	100	75	1	100	DO-201AE
LCE11A	12.20	13.50	1	11.0	5	18.2	82	100	75	1	100	DO-201AE
LCE12A	13.30	14.70	1	12.0	5	19.9	75	100	75	1	100	DO-201AE
LCE13A	14.40	15.90	1	13.0	5	21.5	70	100	75	1	100	DO-201AE
LCE14A	15.60	17.20	1	14.0	5	23.2	65	100	75	1	100	DO-201AE
LCE15A	16.70	18.50	1	15.0	5	24.4	61	100	75	1	100	DO-201AE
LCE16A	17.80	19.70	1	16.0	5	26.0	57	100	75	1	100	DO-201AE
LCE17A	18.90	20.90	1	17.0	5	27.6	54	100	75	1	100	DO-201AE
LCE18A	20.00	22.10	1	18.0	5	29.2	51	100	75	1	100	DO-201AE
LCE20A	22.20	24.50	1	20.0	5	32.4	46	100	75	1	100	DO-201AE
LCE22A	24.40	26.90	1	22.0	5	35.5	42	100	75	1	100	DO-201AE
LCE24A	26.70	29.50	1	24.0	5	38.9	39	100	75	1	100	DO-201AE
LCE26A	28.90	31.90	1	26.0	5	42.1	36	100	75	1	100	DO-201AE
LCE28A	31.10	34.40	1	28.0	5	45.5	33	100	75	1	100	DO-201AE



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DO-201AE

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage VRWM	Maximum Clamping Voltage V <sub>C</sub> @ I <sub>pp</sub>	Peak Pulse Current I <sub>pp</sub>	Reverse Leakage I <sub>R</sub> @ V <sub>RWM</sub>	Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	μA	
1.5KE6.8A	1.5KE6.8CA	6.45	7.14	10	5.8	10.5	144.8	1000	DO-201AE
1.5KE7.5A	1.5KE7.5CA	7.13	7.88	10	6.4	11.3	134.5	500	DO-201AE
1.5KE8.2A	1.5KE8.2CA	7.79	8.61	10	7.0	12.1	125.6	200	DO-201AE
1.5KE9.1A	1.5KE9.1CA	8.65	9.50	1	7.8	13.4	113.4	50	DO-201AE
1.5KE10A	1.5KE10CA	9.50	10.50	1	8.6	14.5	104.8	10	DO-201AE
1.5KE11A	1.5KE11CA	10.50	11.60	1	9.4	15.6	97.4	5	DO-201AE
1.5KE12A	1.5KE12CA	11.40	12.60	1	10.2	16.7	91.0	5	DO-201AE
1.5KE13A	1.5KE13CA	12.40	13.70	1	11.1	18.2	83.5	5	DO-201AE
1.5KE15A	1.5KE15CA	14.30	15.80	1	12.8	21.2	71.7	5	DO-201AE
1.5KE16A	1.5KE16CA	15.20	16.80	1	13.6	22.5	67.6	5	DO-201AE
1.5KE18A	1.5KE18CA	17.10	18.90	1	15.3	25.2	60.3	5	DO-201AE
1.5KE20A	1.5KE20CA	19.00	21.00	1	17.1	27.7	54.9	5	DO-201AE
1.5KE22A	1.5KE22CA	20.90	23.10	1	18.8	30.6	49.7	5	DO-201AE
1.5KE24A	1.5KE24CA	22.80	25.20	1	20.5	33.2	45.8	5	DO-201AE
1.5KE27A	1.5KE27CA	25.70	28.40	1	23.1	37.5	40.5	5	DO-201AE
1.5KE30A	1.5KE30CA	28.50	31.50	1	25.6	41.4	36.7	5	DO-201AE
1.5KE33A	1.5KE33CA	31.40	34.70	1	28.2	45.7	33.3	5	DO-201AE
1.5KE36A	1.5KE36CA	34.20	37.80	1	30.8	49.9	30.5	5	DO-201AE
1.5KE39A	1.5KE39CA	37.10	41.00	1	33.3	53.9	28.2	5	DO-201AE
1.5KE43A	1.5KE43CA	40.90	45.20	1	36.8	59.3	25.6	5	DO-201AE
1.5KE47A	1.5KE47CA	44.70	49.40	1	40.2	64.8	23.5	5	DO-201AE
1.5KE51A	1.5KE51CA	48.50	53.60	1	43.6	70.1	21.7	5	DO-201AE
1.5KE56A	1.5KE56CA	53.20	58.80	1	47.8	77.0	19.7	5	DO-201AE
1.5KE62A	1.5KE62CA	58.90	65.10	1	53.0	85.0	17.9	5	DO-201AE
1.5KE68A	1.5KE68CA	64.60	71.40	1	58.1	92.0	16.5	5	DO-201AE
1.5KE75A	1.5KE75CA	71.30	78.80	1	64.1	103.0	14.8	5	DO-201AE
1.5KE82A	1.5KE82CA	77.90	86.10	1	70.1	113.0	13.5	5	DO-201AE
1.5KE91A	1.5KE91CA	86.50	95.50	1	77.8	125.0	12.2	5	DO-201AE
1.5KE100A	1.5KE100CA	95.00	105.00	1	85.5	137.0	11.1	5	DO-201AE
1.5KE110A	1.5KE110CA	105.00	116.00	1	94.0	152.0	10.0	5	DO-201AE
1.5KE120A	1.5KE120CA	114.00	126.00	1	102.0	165.0	9.2	5	DO-201AE
1.5KE130A	1.5KE130CA	124.00	137.00	1	111.0	179.0	8.5	5	DO-201AE
1.5KE150A	1.5KE150CA	143.00	158.00	1	128.0	207.0	7.3	5	DO-201AE
1.5KE160A	1.5KE160CA	152.00	168.00	1	136.0	219.0	6.9	5	DO-201AE
1.5KE170A	1.5KE170CA	162.00	179.00	1	145.0	234.0	6.5	5	DO-201AE
1.5KE180A	1.5KE180CA	171.00	189.00	1	154.0	246.0	6.2	5	DO-201AE
1.5KE200A	1.5KE200CA	190.00	210.00	1	171.0	274.0	5.5	5	DO-201AE
1.5KE220A	1.5KE220CA	209.00	231.00	1	185.0	328.0	4.6	5	DO-201AE
1.5KE250A	1.5KE250CA	237.00	263.00	1	214.0	344.0	4.4	5	DO-201AE
1.5KE300A	1.5KE300CA	285.00	315.00	1	256.0	414.0	3.7	5	DO-201AE
1.5KE350A	1.5KE350CA	332.00	368.00	1	300.0	482.0	3.2	5	DO-201AE
1.5KE400A	1.5KE400CA	380.00	420.00	1	342.0	548.0	2.8	5	DO-201AE
1.5KE440A	1.5KE440CA	418.00	462.00	1	376.0	602.0	2.5	5	DO-201AE
1.5KE480A	1.5KE480CA	456.00	504.00	1	408.0	658.0	2.3	5	DO-201AE
1.5KE510A	1.5KE510CA	485.00	535.00	1	434.0	698.0	2.1	5	DO-201AE
1.5KE530A	1.5KE530CA	503.50	556.50	1	450.0	725.0	2.1	5	DO-201AE
1.5KE540A	1.5KE540CA	513.00	567.00	1	459.0	740.0	2.0	5	DO-201AE
1.5KE550A	1.5KE550CA	522.50	577.50	1	467.0	760.0	2.0	5	DO-201AE



DO-201AE

## TRANSIENT VOLTAGE SUPPRESSORS

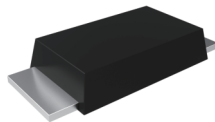
Part Number	Breakdown Voltage@IT	Test Current	Reverse Standoff Voltage		Surge Current Rating	Maximum Clamping Voltage @ Ipp	Reverse Leakage @VDC	Package
	V <sub>BR</sub>	I <sub>T</sub>	VAC	VDC	I <sub>pp</sub> (8/20us)	V <sub>c</sub>	I <sub>R</sub>	
	V (Min)	mA	V	V	KA	V	μ A	
AK1-076C	83	10	54	76	1	135	20	AK
AK3-058C	64	10	40	58	3	110	20	AK
AK3-066C	70	10	45	66	3	125	20	AK
AK3-076C	85	10	54	76	3	140	20	AK
AK3-380C	401	10	275	380	3	520	20	AK
AK3-430C	440	10	310	430	3	625	20	AK
AK6-058C	64	10	40	58	6	110	20	AK
AK6-066C	70	10	45	66	6	125	20	AK
AK6-076C	83	10	54	76	6	135	20	AK
AK6-170C	180	10	130	170	6	260	20	AK
AK6-190C	200	10	145	190	6	290	20	AK
AK6-240C	250	10	180	240	6	340	20	AK
AK6-380C	401	10	275	380	6	520	20	AK
AK6-430C	440	10	310	430	6	625	20	AK
AK10-058C	64	10	40	58	10	110	20	AK
AK10-066C	70	10	45	66	10	125	20	AK
AK10-076C	83	10	54	76	10	135	20	AK
AK10-170C	180	10	130	170	10	260	20	AK
AK10-190C	200	10	145	190	10	290	20	AK
AK10-200C	222	10	150	200	10	330	20	AK
AK10-240C	250	10	180	240	10	340	20	AK
AK10-380C	401	10	275	380	10	520	20	AK
AK10-430C	440	10	310	430	10	625	20	AK
AK15-058C	64	10	40	58	15	110	20	AK
AK15-076C	85	10	54	76	15	145	20	AK



AK

## TRANSIENT VOLTAGE SUPPRESSORS

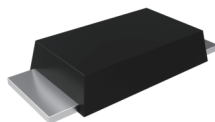
Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Rated Standoff Voltage V <sub>WM</sub>	Maximum Reverse Leakage Id @ V <sub>WM</sub>	Maximum Clamping Voltage V <sub>C</sub> @ I <sub>PP</sub>	Maximum Peak Pulse Current I <sub>PP</sub>	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	pA	V	A	Uni	Bi	
SMF5.0A	SMF5.0CA	6.40	7.00	10	5.0	400.0	9.2	21.7	5.0A/KE	5.0CA/AE	SOD-123FL
SMF6.0A	SMF6.0CA	6.67	7.37	10	6.0	400.0	10.3	19.4	6.0A/KG	6.0CA/AG	SOD-123FL
SMF6.5A	SMF6.5CA	7.22	7.98	10	6.5	250.0	11.2	17.9	6.5A/KK	6.5CA/AK	SOD-123FL
SMF7.0A	SMF7.0CA	7.78	8.60	10	7.0	100.0	12.0	16.7	7.0A/KM	7.0CA/AM	SOD-123FL
SMF7.5A	SMF7.5CA	8.33	9.21	1	7.5	50.0	12.9	15.5	7.5A/KP	7.5CA/AP	SOD-123FL
SMF8.0A	SMF8.0CA	8.89	9.83	1	8.0	25.0	13.6	14.7	8.0A/KR	8.0CA/AR	SOD-123FL
SMF8.5A	SMF8.5CA	9.44	10.40	1	8.5	10.0	14.4	13.9	8.5A/KT	8.5CA/AT	SOD-123FL
SMF9.0A	SMF9.0CA	10.00	11.10	1	9.0	5.0	15.4	13.0	9.0A/KV	9.0CA/AV	SOD-123FL
SMF10A	SMF10CA	11.10	12.30	1	10.0	2.5	17.0	11.8	10A/KX	10CA/AX	SOD-123FL
SMF11A	SMF11CA	12.20	13.50	1	11.0	2.5	18.2	11.0	11A/KZ	11CA/AZ	SOD-123FL
SMF12A	SMF12CA	13.30	14.70	1	12.0	2.5	19.9	10.1	12A/LE	12CA/BE	SOD-123FL
SMF13A	SMF13CA	14.40	15.90	1	13.0	1.0	21.5	9.3	13A/LG	13CA/BG	SOD-123FL
SMF14A	SMF14CA	15.60	17.20	1	14.0	1.0	23.2	8.6	14A/LK	14CA/BK	SOD-123FL
SMF15A	SMF15CA	16.70	18.50	1	15.0	1.0	24.4	8.2	15A/LM	15CA/BM	SOD-123FL
SMF16A	SMF16CA	17.80	19.70	1	16.0	1.0	26.0	7.7	16A/LP	16CA/BP	SOD-123FL
SMF17A	SMF17CA	18.90	20.90	1	17.0	1.0	27.6	7.2	17A/LR	17CA/BR	SOD-123FL
SMF18A	SMF18CA	20.00	22.10	1	18.0	1.0	29.2	6.8	18A/LT	18CA/BT	SOD-123FL
SMF20A	SMF20CA	22.20	24.50	1	20.0	1.0	32.4	6.2	20A/LV	20CA/BV	SOD-123FL
SMF22A	SMF22CA	24.40	26.90	1	22.0	1.0	35.5	5.6	22A/LX	22CA/BX	SOD-123FL
SMF24A	SMF24CA	26.70	29.50	1	24.0	1.0	38.9	5.1	24A/LZ	24CA/BZ	SOD-123FL
SMF26A	SMF26CA	28.90	31.90	1	26.0	1.0	42.1	4.8	26A/ME	26CA/CE	SOD-123FL
SMF28A	SMF28CA	31.10	34.40	1	28.0	1.0	45.4	4.4	28A/MG	28CA/CG	SOD-123FL
SMF30A	SMF30CA	33.30	36.80	1	30.0	1.0	48.4	4.1	30A/MK	30CA/CK	SOD-123FL
SMF33A	SMF33CA	36.70	40.60	1	33.0	1.0	53.3	3.8	33A/MM	33CA/CM	SOD-123FL
SMF36A	SMF36CA	40.00	44.20	1	36.0	1.0	58.1	3.4	36A/MP	36CA/CP	SOD-123FL
SMF40A	SMF40CA	44.40	49.10	1	40.0	1.0	64.5	3.1	40A/MR	40CA/CR	SOD-123FL
SMF43A	SMF43CA	47.80	52.80	1	43.0	1.0	69.4	2.9	43A/MT	43CA/CT	SOD-123FL
SMF45A	SMF45CA	50.00	55.30	1	45.0	1.0	72.7	2.8	45A/MV	45CA/CV	SOD-123FL
SMF48A	SMF48CA	53.30	58.90	1	48.0	1.0	77.4	2.6	48A/MX	48CA/CX	SOD-123FL
SMF51A	SMF51CA	56.70	62.70	1	51.0	1.0	82.4	2.4	51A/MZ	51CA/CZ	SOD-123FL
SMF54A	SMF54CA	60.00	66.30	1	54.0	1.0	87.1	2.3	54A/NE	54CA/DE	SOD-123FL
SMF58A	SMF58CA	64.40	71.20	1	58.0	1.0	93.6	2.1	58A/NG	58CA/DG	SOD-123FL
SMF60A	SMF60CA	66.70	73.70	1	60.0	1.0	96.8	1.8	60A/NK	60CA/DK	SOD-123FL
SMF64A	SMF64CA	71.10	78.60	1	64.0	1.0	103.0	1.7	64A/NM	64CA/DM	SOD-123FL
SMF70A	SMF70CA	77.80	86.00	1	70.0	1.0	113.0	1.5	70A/NP	70CA/DP	SOD-123FL
SMF75A	SMF75CA	83.30	92.10	1	75.0	1.0	121.0	1.4	75A/NR	75CA/DR	SOD-123FL
SMF78A	SMF78CA	86.70	95.80	1	78.0	1.0	126.0	1.4	78A/NT	78CA/DT	SOD-123FL
SMF85A	SMF85CA	94.40	104.00	1	85.0	1.0	137.0	1.3	85A/NV	85CA/DV	SOD-123FL
SMF90A	SMF90CA	100.00	111.00	1	90.0	1.0	146.0	1.2	90A/NX	90CA/DX	SOD-123FL
SMF100A	SMF100CA	111.00	123.00	1	100.0	1.0	162.0	1.1	100/NZ	100C/DZ	SOD-123FL
SMF110A	SMF110CA	122.00	135.00	1	110.0	1.0	177.0	1.0	110/PE	110C/EE	SOD-123FL
SMF120A	SMF120CA	133.00	147.00	1	120.0	1.0	193.0	0.9	120/PG	120C/EG	SOD-123FL
SMF130A	SMF130CA	144.00	159.00	1	130.0	1.0	209.0	0.8	130/PK	130C/EK	SOD-123FL
SMF150A	SMF150CA	167.00	185.00	1	150.0	1.0	243.0	0.7	150/PM	150C/EM	SOD-123FL
SMF160A	SMF160CA	178.00	197.00	1	160.0	1.0	259.0	0.7	160/PP	160C/EP	SOD-123FL
SMF170A	SMF170CA	189.00	209.00	1	170.0	1.0	275.0	0.6	170/PR	170C/ER	SOD-123FL



SOD-123FL

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number	Breakdown Voltage $V_{BR} @ I_T$ (Volt)		Test Current $I_T$	Reverse Standoff Voltage $V_{RWM}$	Maximum Clamping Voltage $V_C @ I_{pp}$	Peak Pulse Current $I_{pp}$	Maximum Reverse Leakage $I_R @ V_{RWM}$	Marking Code	Package
	Min	Max							
SM4F11A	12.2	13.5	1.0	11.0	18.2	21.98	1.0	F11	SOD-123FL
SM4F12A	13.3	14.7	1.0	12.0	19.9	20.10	1.0	F12	SOD-123FL
SM4F13A	14.4	15.9	1.0	13.0	21.5	18.60	1.0	F13	SOD-123FL
SM4F14A	15.6	17.2	1.0	14.0	23.2	17.24	1.0	F14	SOD-123FL
SM4F15A	16.7	18.5	1.0	15.0	24.4	16.39	1.0	F15	SOD-123FL
SM4F16A	17.8	19.7	1.0	16.0	26.0	15.38	1.0	F16	SOD-123FL
SM4F17A	18.9	20.9	1.0	17.0	27.6	14.49	1.0	F17	SOD-123FL
SM4F18A	20.0	22.1	1.0	18.0	29.2	13.70	1.0	F18	SOD-123FL
SM4F19A	21.1	23.3	1.0	19.0	30.8	13.00	1.0	F19	SOD-123FL
SM4F20A	22.2	24.5	1.0	20.0	32.4	12.35	1.0	F20	SOD-123FL
SM4F22A	24.4	26.9	1.0	22.0	3.5	11.27	1.0	F22	SOD-123FL
SM4F24A	26.7	29.5	1.0	24.0	38.9	10.28	1.0	F24	SOD-123FL
SM4F26A	28.9	31.9	1.0	26.0	42.1	9.50	1.0	F26	SOD-123FL
SM4F28A	31.1	34.4	1.0	28.0	45.4	8.81	1.0	F28	SOD-123FL
SM4F30A	33.3	36.8	1.0	30.0	48.4	8.26	1.0	F30	SOD-123FL
SM4F33A	36.7	40.6	1.0	33.0	53.3	7.50	1.0	F33	SOD-123FL
SM4F36A	40.0	44.2	1.0	36.0	58.1	6.88	1.0	F36	SOD-123FL



SOD-123FL

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage V <sub>C</sub> @ I <sub>pp</sub>	Peak Pulse Current I <sub>pp</sub>	Maximum Reverse Leakage @V <sub>WM</sub> I <sub>D</sub>	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	uA	Uni	Bi	
SMAJ5.0A	SMAJ5.0CA	6.4	7.0	10	5.0	9.2	43.5	800	AE	WE	SMA
SMAJ6.0A	SMAJ6.0CA	6.7	7.4	10	6.0	10.3	38.8	800	AG	WG	SMA
SMAJ6.5A	SMAJ6.5CA	7.2	8.0	10	6.5	11.2	35.7	500	AK	WK	SMA
SMAJ7.0A	SMAJ7.0CA	7.8	8.6	10	7.0	12.0	33.3	200	AM	WM	SMA
SMAJ7.5A	SMAJ7.5CA	8.3	9.2	1	7.5	12.9	31.0	100	AP	WP	SMA
SMAJ8.0A	SMAJ8.0CA	8.9	9.8	1	8.0	13.6	29.4	50	AR	WR	SMA
SMAJ8.5A	SMAJ8.5CA	9.4	10.4	1	8.5	14.4	27.7	20	AT	WT	SMA
SMAJ9.0A	SMAJ9.0CA	10.0	11.1	1	9.0	15.4	26.0	10	AV	WV	SMA
SMAJ10A	SMAJ10CA	11.1	12.3	1	10.0	17.0	23.5	5	AX	WX	SMA
SMAJ11A	SMAJ11CA	12.2	13.5	1	11.0	18.2	22.0	1	AZ	WZ	SMA
SMAJ12A	SMAJ12CA	13.3	14.7	1	12.0	19.9	20.1	1	BE	XE	SMA
SMAJ13A	SMAJ13CA	14.4	15.9	1	13.0	21.5	18.6	1	BG	XG	SMA
SMAJ14A	SMAJ14CA	15.6	17.2	1	14.0	23.2	17.2	1	BK	XK	SMA
SMAJ15A	SMAJ15CA	16.7	18.5	1	15.0	24.4	16.4	1	BM	XM	SMA
SMAJ16A	SMAJ16CA	17.8	19.7	1	16.0	26.0	15.3	1	BP	XP	SMA
SMAJ17A	SMAJ17CA	18.9	20.9	1	17.0	27.6	14.5	1	BR	XR	SMA
SMAJ18A	SMAJ18CA	20.0	22.1	1	18.0	29.2	13.7	1	BT	XT	SMA
SMAJ20A	SMAJ20CA	22.2	24.5	1	20.0	32.4	12.3	1	BV	XV	SMA
SMAJ22A	SMAJ22CA	24.4	26.9	1	22.0	35.5	11.2	1	BX	XX	SMA
SMAJ24A	SMAJ24CA	26.7	29.5	1	24.0	38.9	10.3	1	BZ	XZ	SMA
SMAJ26A	SMAJ26CA	28.9	31.9	1	26.0	42.1	9.5	1	CE	YE	SMA
SMAJ28A	SMAJ28CA	31.1	34.4	1	28.0	45.4	8.8	1	CG	YG	SMA
SMAJ30A	SMAJ30CA	33.3	36.8	1	30.0	48.4	8.3	1	CK	YK	SMA
SMAJ33A	SMAJ33CA	36.7	40.6	1	33.0	53.3	7.5	1	CM	YM	SMA
SMAJ36A	SMAJ36CA	40.0	44.2	1	36.0	58.1	6.9	1	CP	YP	SMA
SMAJ40A	SMAJ40CA	44.4	49.1	1	40.0	64.5	6.2	1	CR	YR	SMA
SMAJ43A	SMAJ43CA	47.8	52.8	1	43.0	69.4	5.7	1	CT	YT	SMA
SMAJ45A	SMAJ45CA	50.0	55.3	1	45.0	72.7	5.5	1	CV	YV	SMA
SMAJ48A	SMAJ48CA	53.3	58.9	1	48.0	77.4	5.2	1	CX	YX	SMA
SMAJ51A	SMAJ51CA	56.7	62.7	1	51.0	82.4	4.9	1	CZ	YZ	SMA
SMAJ54A	SMAJ54CA	60.0	66.3	1	54.0	87.1	4.6	1	RE	ZE	SMA
SMAJ58A	SMAJ58CA	64.4	71.2	1	58.0	93.6	4.3	1	RG	ZG	SMA
SMAJ60A	SMAJ60CA	66.7	73.7	1	60.0	96.8	4.1	1	RK	ZK	SMA
SMAJ64A	SMAJ64CA	71.1	78.6	1	64.0	103.0	3.9	1	RM	ZM	SMA
SMAJ70A	SMAJ70CA	77.8	86.0	1	70.0	113.0	3.5	1	RP	ZP	SMA
SMAJ75A	SMAJ75CA	83.3	92.1	1	75.0	121.0	3.3	1	RR	ZR	SMA
SMAJ78A	SMAJ78CA	86.7	95.8	1	78.0	126.0	2.2	1	RT	ZT	SMA
SMAJ85A	SMAJ85CA	94.4	104.0	1	85.0	137.0	2.9	1	RV	ZV	SMA
SMAJ90A	SMAJ90CA	100.0	111.0	1	90.0	146.0	2.7	1	RX	ZX	SMA
SMAJ100A	SMAJ100CA	111.0	123.0	1	100.0	162.0	2.5	1	RZ	ZZ	SMA
SMAJ110A	SMAJ110CA	122.0	135.0	1	110.0	177.0	2.3	1	SE	VE	SMA
SMAJ120A	SMAJ120CA	133.0	147.0	1	120.0	193.0	2.1	1	SG	VG	SMA
SMAJ130A	SMAJ130CA	144.0	159.0	1	130.0	209.0	1.9	1	SK	VK	SMA
SMAJ150A	SMAJ150CA	167.0	185.0	1	150.0	243.0	1.6	1	SM	VM	SMA
SMAJ160A	SMAJ160CA	178.0	197.0	1	160.0	259.0	1.5	1	SP	VP	SMA
SMAJ170A	SMAJ170CA	189.0	209.0	1	170.0	275.0	1.5	1	SR	VR	SMA
SMAJ180A	SMAJ180CA	201.0	222.0	1	180.0	292.0	1.4	1	ST	VT	SMA



SMA

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage V <sub>C</sub> @ I <sub>pp</sub>	Peak Pulse Current I <sub>pp</sub>	Maximum Reverse Leakage @ V <sub>WM</sub> I <sub>o</sub>	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	uA	Uni	Bi	
SMAJ200A	SMAJ200CA	224.0	247.0	1	200.0	324.0	1.2	1	SV	VV	SMA
SMAJ220A	SMAJ220CA	246.0	272.0	1	220.0	356.0	1.1	1	SX	VX	SMA
SMAJ250A	SMAJ250CA	279.0	309.0	1	250.0	405.0	1.0	1	SZ	VZ	SMA
SMAJ300A	SMAJ300CA	335.0	371.0	1	300.0	486.0	0.8	1	TE	UE	SMA
SMAJ350A	SMAJ350CA	391.0	432.0	1	350.0	567.0	0.7	1	TG	UG	SMA
SMAJ400A	SMAJ400CA	447.0	494.0	1	400.0	648.0	0.6	1	TK	UK	SMA
SMAJ440A	SMAJ440CA	492.0	543.0	1	440.0	713.0	0.6	1	TM	UM	SMA
SMAJ10AHE3	SMAJ10CAHE3	11.1	12.3	1	10.0	17.0	23.5	5	AX	WX	SMA
SMAJ11AHE3	SMAJ11CAHE3	12.2	13.5	1	11.0	18.2	22.0	1	AZ	WZ	SMA
SMAJ12AHE3	SMAJ12CAHE3	13.3	14.7	1	12.0	19.9	20.1	1	BE	XE	SMA
SMAJ13AHE3	SMAJ13CAHE3	14.4	15.9	1	13.0	21.5	18.6	1	BG	XG	SMA
SMAJ14AHE3	SMAJ14CAHE3	15.6	17.2	1	14.0	23.2	17.2	1	BK	XK	SMA
SMAJ15AHE3	SMAJ15CAHE3	16.7	18.5	1	15.0	24.4	16.4	1	BM	XM	SMA
SMAJ16AHE3	SMAJ16CAHE3	17.8	19.7	1	16.0	26.0	15.3	1	BP	XP	SMA
SMAJ17AHE3	SMAJ17CAHE3	18.9	20.9	1	17.0	27.6	14.5	1	BR	XR	SMA
SMAJ18AHE3	SMAJ18CAHE3	20.0	22.1	1	18.0	29.2	13.7	1	BT	XT	SMA
SMAJ20AHE3	SMAJ20CAHE3	22.2	24.5	1	20.0	32.4	12.3	1	BV	XV	SMA
SMAJ22AHE3	SMAJ22CAHE3	24.4	26.9	1	22.0	35.5	11.2	1	BX	XX	SMA
SMAJ24AHE3	SMAJ24CAHE3	26.7	29.5	1	24.0	38.9	10.3	1	BZ	XZ	SMA
SMAJ26AHE3	SMAJ26CAHE3	28.9	31.9	1	26.0	42.1	9.5	1	CE	YE	SMA
SMAJ28AHE3	SMAJ28CAHE3	31.1	34.4	1	28.0	45.4	8.8	1	CG	YG	SMA
SMAJ30AHE3	SMAJ30CAHE3	33.3	36.8	1	30.0	48.4	8.3	1	CK	YK	SMA
SMAJ33AHE3	SMAJ33CAHE3	36.7	40.6	1	33.0	53.3	7.5	1	CM	YM	SMA
SMAJ36AHE3	SMAJ36CAHE3	40.0	44.2	1	36.0	58.1	6.9	1	CP	YP	SMA
SMAJ40AHE3	SMAJ40CAHE3	44.4	49.1	1	40.0	64.5	6.2	1	CR	YR	SMA
SMAJ43AHE3	SMAJ43CAHE3	47.8	52.8	1	43.0	69.4	5.7	1	CT	YT	SMA
SMAJ45AHE3	SMAJ45CAHE3	50.0	55.3	1	45.0	72.7	5.5	1	CV	YV	SMA
SMAJ48AHE3	SMAJ48CAHE3	53.3	58.9	1	48.0	77.4	5.2	1	CX	YX	SMA
SMAJ51AHE3	SMAJ51CAHE3	56.7	62.7	1	51.0	82.4	4.9	1	CZ	YZ	SMA
SMAJ54AHE3	SMAJ54CAHE3	60.0	66.3	1	54.0	87.1	4.6	1	RE	ZE	SMA
SMAJ58AHE3	SMAJ58CAHE3	64.4	71.2	1	58.0	93.6	4.3	1	RG	ZG	SMA
SMAJ60AHE3	SMAJ60CAHE3	66.7	73.7	1	60.0	96.8	4.1	1	RK	ZK	SMA
SMAJ64AHE3	SMAJ64CAHE3	71.1	78.6	1	64.0	103.0	3.9	1	RM	ZM	SMA
SMAJ70AHE3	SMAJ70CAHE3	77.8	86.0	1	70.0	113.0	3.5	1	RP	ZP	SMA
SMAJ75AHE3	SMAJ75CAHE3	83.3	92.1	1	75.0	121.0	3.3	1	RR	ZR	SMA
SMAJ78AHE3	SMAJ78CAHE3	86.7	95.8	1	78.0	126.0	2.2	1	RT	ZT	SMA
SMAJ85AHE3	SMAJ85CAHE3	94.4	104.0	1	85.0	137.0	2.9	1	RV	ZV	SMA
SMAJP4KE6.8A	SMAJP4KE6.8CA	6.5	7.1	10	5.8	10.5	39.0	1000	6V8A	6V8C	SMA
SMAJP4KE7.5A	SMAJP4KE7.5CA	7.1	7.9	10	6.4	11.3	36.3	500	7V5A	7V5C	SMA
SMAJP4KE8.2A	SMAJP4KE8.2CA	7.8	8.6	10	7.0	12.1	33.9	200	8V2A	8V2C	SMA
SMAJP4KE9.1A	SMAJP4KE9.1CA	8.7	9.6	1	7.8	13.4	30.6	50	9V1A	9V1C	SMA
SMAJP4KE10A	SMAJP4KE10CA	9.5	10.5	1	8.6	14.5	28.3	10	10A	10C	SMA
SMAJP4KE11A	SMAJP4KE11CA	10.5	11.6	1	9.4	15.6	26.3	5	11A	11C	SMA
SMAJP4KE12A	SMAJP4KE12CA	11.4	12.6	1	10.2	16.7	24.6	5	12A	12C	SMA
SMAJP4KE13A	SMAJP4KE13CA	12.4	13.7	1	11.1	18.2	22.5	1	13A	13C	SMA
SMAJP4KE15A	SMAJP4KE15CA	14.3	15.8	1	12.8	21.2	19.3	1	15A	15C	SMA
SMAJP4KE16A	SMAJP4KE16CA	15.2	16.8	1	13.6	22.5	18.2	1	16A	16C	SMA



SMA

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage V <sub>C</sub> @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Maximum Reverse Leakage @ V <sub>WM</sub> I <sub>0</sub>	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	µA	Uni	Bi	
SMAJP4KE18A	SMAJP4KE18CA	17.1	18.9	1	15.3	25.5	16.1	1	18A	18C	SMA
SMAJP4KE20A	SMAJP4KE20CA	19.0	21.0	1	17.1	27.7	14.8	1	20A	20C	SMA
SMAJP4KE22A	SMAJP4KE22CA	20.9	23.1	1	18.8	30.6	13.4	1	22A	22C	SMA
SMAJP4KE24A	SMAJP4KE24CA	22.8	25.2	1	20.5	33.2	12.3	1	24A	24C	SMA
SMAJP4KE27A	SMAJP4KE27CA	25.7	28.4	1	23.1	37.5	10.9	1	27A	27C	SMA
SMAJP4KE30A	SMAJP4KE30CA	28.5	31.5	1	25.6	41.4	9.9	1	30A	30C	SMA
SMAJP4KE33A	SMAJP4KE33CA	31.4	34.7	1	28.2	45.7	9.0	1	33A	33C	SMA
SMAJP4KE36A	SMAJP4KE36CA	34.2	37.8	1	30.8	49.9	8.2	1	36A	36C	SMA
SMAJP4KE39A	SMAJP4KE39CA	37.1	41.0	1	33.3	53.9	7.6	1	39A	39C	SMA
SMAJP4KE43A	SMAJP4KE43CA	40.9	45.2	1	36.8	59.3	6.9	1	43A	43C	SMA
SMAJP4KE47A	SMAJP4KE47CA	44.7	49.4	1	40.2	64.8	6.3	1	47A	47C	SMA
SMAJP4KE51A	SMAJP4KE51CA	48.5	53.6	1	43.6	70.1	5.8	1	51A	51C	SMA
SMAJP4KE56A	SMAJP4KE56CA	53.2	58.8	1	47.8	77.0	5.3	1	56A	56C	SMA
SMAJP4KE62A	SMAJP4KE62CA	58.9	65.1	1	53.0	85.0	4.8	1	62A	62C	SMA
SMAJP4KE68A	SMAJP4KE68CA	64.6	71.4	1	58.1	92.0	4.5	1	68A	68C	SMA
SMAJP4KE75A	SMAJP4KE75CA	71.3	78.8	1	64.1	103.0	4.0	1	75A	75C	SMA
SMAJP4KE82A	SMAJP4KE82CA	77.9	86.1	1	70.1	113.0	3.6	1	82A	82C	SMA
SMAJP4KE91A	SMAJP4KE91CA	86.5	95.5	1	77.8	125.0	3.3	1	91A	91C	SMA
SMAJP4KE100A	SMAJP4KE100CA	95.0	105.0	1	85.5	137.0	3.0	1	100A	100C	SMA
SMAJP4KE110A	SMAJP4KE110CA	105.0	116.0	1	94.0	152.0	2.7	1	110A	110C	SMA
SMAJP4KE120A	SMAJP4KE120CA	114.0	126.0	1	102.0	165.0	2.5	1	120A	120C	SMA
SMAJP4KE130A	SMAJP4KE130CA	124.0	137.0	1	111.0	179.0	2.3	1	130A	130C	SMA
SMAJP4KE150A	SMAJP4KE150CA	143.0	158.0	1	128.0	207.0	2.0	1	150A	150C	SMA
SMAJP4KE160A	SMAJP4KE160CA	152.0	168.0	1	136.0	219.0	1.9	1	160A	160C	SMA
SMAJP4KE170A	SMAJP4KE170CA	162.0	179.0	1	145.0	234.0	1.8	1	170A	170C	SMA
SMAJP4KE180A	SMAJP4KE180CA	171.0	189.0	1	154.0	246.0	1.7	1	180A	180C	SMA
SMAJP4KE200A	SMAJP4KE200CA	190.0	210.0	1	171.0	274.0	1.5	1	200A	200C	SMA
SMAJP4KE220A	SMAJP4KE220CA	209.0	231.0	1	185.0	328.0	1.3	1	220A	220C	SMA
SMAJP4KE250A	SMAJP4KE250CA	237.0	263.0	1	214.0	344.0	1.2	1	250A	250C	SMA
SMAJP4KE300A	SMAJP4KE300CA	285.0	315.0	1	256.0	414.0	1.0	1	300A	300C	SMA
SMAJP4KE350A	SMAJP4KE350CA	332.0	368.0	1	300.0	482.0	0.9	1	350A	350C	SMA
SMAJP4KE400A	SMAJP4KE400CA	380.0	420.0	1	342.0	548.0	0.8	1	400A	400C	SMA
SMAJP4KE440A	SMAJP4KE440CA	418.0	462.0	1	376.0	602.0	0.7	1	440A	440C	SMA
SMAJP4KE480A	SMAJP4KE480CA	456.0	504.0	1	408.0	658.0	0.6	1	480A	480C	SMA
SMAJP4KE510A	SMAJP4KE510CA	485.0	535.0	1	434.0	698.0	0.6	1	510A	510C	SMA
SMAJP4KE530A	SMAJP4KE530CA	503.5	556.5	1	477.0	725.0	0.6	1	530A	530C	SMA
SMAJP4KE540A	SMAJP4KE540CA	513.0	567.0	1	459.0	740.0	0.5	1	540A	540C	SMA
SMAJP4KE550A	SMAJP4KE550CA	522.5	577.5	1	495.0	760.0	0.5	1	550A	550C	SMA
SMAJP4KE12AHE3		11.4	12.6	1	10.2	16.7	24.6	5	12A		SMA
SMAJP4KE13AHE3		12.4	13.7	1	11.1	18.2	22.5	1	13A		SMA
SMAJP4KE15AHE3		14.3	15.8	1	12.8	21.2	19.3	1	15A		SMA
SMAJP4KE16AHE3		15.2	16.8	1	13.6	22.5	18.2	1	16A		SMA
SMAJP4KE18AHE3		17.1	18.9	1	15.3	25.5	16.1	1	18A		SMA
SMAJP4KE20AHE3		19.0	21.0	1	17.1	27.7	14.8	1	20A		SMA
SMAJP4KE22AHE3		20.9	23.1	1	18.8	30.6	13.4	1	22A		SMA
SMAJP4KE24AHE3		22.8	25.2	1	20.5	33.2	12.3	1	24A		SMA



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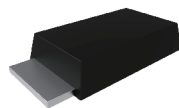
## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Maximum Reverse Leakage @ V <sub>WM</sub>	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	µA	Uni	Bi	
SMAJP4KE27AHE3		25.7	28.4	1	23.1	37.5	10.9	1	27A		SMA
SMAJP4KE30AHE3		28.5	31.5	1	25.6	41.4	9.9	1	30A		SMA
SMAJP4KE33AHE3		31.4	34.7	1	28.2	45.7	9.0	1	33A		SMA
SMAJP4KE36AHE3		34.2	37.8	1	30.8	49.9	8.2	1	36A		SMA
SMAJP4KE39AHE3		37.1	41.0	1	33.3	53.9	7.6	1	39A		SMA
SMAJP4KE43AHE3		40.9	45.2	1	36.8	59.3	6.9	1	43A		SMA
SMAJP4KE47AHE3		44.7	49.4	1	40.2	64.8	6.3	1	47A		SMA
SMAJP4KE51AHE3		48.5	53.6	1	43.6	70.1	5.8	1	51A		SMA
SMAJP4KE56AHE3		53.2	58.8	1	47.8	77.0	5.3	1	56A		SMA
SMAJP4KE62AHE3		58.9	65.1	1	53.0	85.0	4.8	1	62A		SMA
SMAJP4KE68AHE3		64.6	71.4	1	58.1	92.0	4.5	1	68A		SMA
SMAJP4KE75AHE3		71.3	78.8	1	64.1	103.0	4.0	1	75A		SMA
SMAJP4KE82AHE3		77.9	86.1	1	70.1	113.0	3.6	1	82A		SMA
SMAJP4KE91AHE3		86.5	95.5	1	77.8	125.0	3.3	1	91A		SMA
SMAJP4KE100AHE3		95.0	105.0	1	85.5	137.0	3.0	1	100A		SMA
SMA6J5.0A		6.4	7.0	10	5	9.2	65.2	800	KE		SMA
SMA6J6.0A		6.7	7.4	10	6	10.3	58.3	800	KG		SMA
SMA6J9.0A	SMA6J9.0CA	10.0	11.1	1	9	15.4	39.0	5	KV	TV	SMA
SMA6J10A	SMA6J10CA	11.1	12.3	1	10	17.0	35.3	5	KX	TX	SMA
SMA6J11A	SMA6J11CA	12.2	13.5	1	11	18.2	33.0	5	KZ	TZ	SMA
SMA6J12A	SMA6J12CA	13.3	14.7	1	12	19.9	30.2	5	LE	UE	SMA
SMA6J13A	SMA6J13CA	14.4	15.9	1	13	21.5	27.9	5	LG	UG	SMA
SMA6J14A	SMA6J14CA	15.6	17.2	1	14	23.2	25.9	5	LK	UK	SMA
SMA6J15A	SMA6J15CA	16.7	18.5	1	15	24.4	24.6	5	LM	UM	SMA
SMA6J16A	SMA6J16CA	17.8	19.7	1	16	26.0	23.1	5	LP	UP	SMA
SMA6J17A	SMA6J17CA	18.9	20.9	1	17	27.6	21.7	5	LR	UR	SMA
SMA6J18A		20.0	22.1	1	18	29.2	20.5	5	LT		SMA
SMA6J19A		21.1	23.3	1	19	30.8	19.5	5	LB		SMA
SMA6J20A		22.2	24.5	1	20	32.4	18.5	5	LV		SMA
SMA6J22A		24.4	26.9	1	22	35.5	16.9	5	LX		SMA
SMA6J24A	SMA6J24CA	26.7	29.5	1	24	38.9	15.4	5	LZ	UZ	SMA
SMA6J26A		28.9	31.9	1	26	42.1	14.3	5	ME		SMA
	SMA6J28CA	31.1	34.4	1	28	45.4	13.2	5		WG	SMA
SMA6J33A		36.7	40.6	1	33	53.3	11.3	5	MM		SMA

Part Number	Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage V <sub>C</sub> @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Maximum Reverse Leakage @ V <sub>WM</sub>	Marking Code	Package
	Min	Max	mA	V	V	A	µA		
SMA6F5.0A	6.4	7.1	10	5	9.2	68	800	SUA	SMA-FL
SMA6F12A	13.3	14.7	1	12	18.5	31	5	SUJ	SMA-FL
SMA6F13A	14.4	15.9	1	13	20.4	29	5	SUG	SMA-FL



SMA



SMA-FL

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number	Minimum Breakdown Voltage @ IT=1mA VBR	Stand-off Voltage Vwm	Maximum Reverse Leakage @Vwm Ir	Maximum Clamping Voltage @ Ipp=5.0A Vc	Maximum Peak Pulse Current Ipp	Maximum Junction Capacitance @ 0 Volts	Inverse Blocking Voltage VWIB	Blocking Leakage Current VWIB	Peak Inverse Blocking Voltage VPIB	Marking Code	Package
	V	V	µA	V	A	pF	V	mA	V		
SMB5AC5.0	7.6	5	300	10.0	44.0	45	75	1	100	SKE	SMB
SMB5AC6.0	7.9	6	300	11.2	41.0	45	75	1	100	SKG	SMB
SMB5AC7.0	8.3	7	300	12.6	38.0	45	75	1	100	SKM	SMB
SMB5AC8.0	8.9	8	100	13.4	36.0	45	75	1	100	SKR	SMB
SMB5AC8.5	9.4	8.5	50	14.0	34.0	45	75	1	100	SKT	SMB
SMB5AC10	11.1	10	5	16.3	29.0	45	75	1	100	SKX	SMB
SMB5AC12	13.3	12	5	19.0	25.0	45	75	1	100	SLE	SMB
SMB5AC15	16.7	15	5	23.6	20.0	45	75	1	100	SLM	SMB
SMB5AC18	20.0	18	5	28.8	15.0	45	75	1	100	SLT	SMB
SMB5AC22	24.4	22	5	35.4	14.0	45	75	1	100	SLX	SMB
SMB5AC26	28.9	26	5	42.3	11.1	45	75	1	100	SME	SMB
SMB5AC30	33.3	30	5	48.6	10.0	45	75	1	100	SMK	SMB
SMB5AC36	40.0	36	5	60.0	8.6	45	75	1	100	SMP	SMB
SMB5AC45	50.0	45	5	77.0	6.8	45	150	1	200	SMV	SMB
SMB5AC50	55.5	50	5	88.0	5.8	45	150	1	200	SMZ	SMB

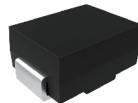
Part Number		Breakdown Voltage VBR @ Ir (Volt)		Test Current Ir	Reverse Standoff Voltage Vwm	Maximum Clamping Voltage @ Ipp	Peak Pulse Current Ipp	Maximum Reverse Leakage @Vwm Ib	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	µA	Uni	Bi	
SMBJ5.0A	SMBJ5.0CA	6.4	7.0	10	5.0	9.2	65.2	65.2	KE	AE	SMB
SMBJ6.0A	SMBJ6.0CA	6.7	7.4	10	6.0	10.3	58.3	58.3	KG	AG	SMB
SMBJ6.5A	SMBJ6.5CA	7.2	8.0	10	6.5	11.2	53.6	53.6	KK	AK	SMB
SMBJ7.0A	SMBJ7.0CA	7.8	8.6	10	7.0	12.0	50.0	50	KM	AM	SMB
SMBJ7.5A	SMBJ7.5CA	8.3	9.2	1	7.5	12.9	46.5	46.5	KP	AP	SMB
SMBJ8.0A	SMBJ8.0CA	8.9	9.8	1	8.0	13.6	44.1	44.1	KR	AR	SMB
SMBJ8.5A	SMBJ8.5CA	9.4	10.4	1	8.5	14.4	41.7	41.7	KT	AT	SMB
SMBJ9.0A	SMBJ9.0CA	10.0	11.1	1	9.0	15.4	39.0	39	KV	AV	SMB
SMBJ10A	SMBJ10CA	11.1	12.3	1	10.0	17.0	35.3	35.3	KX	AX	SMB
SMBJ11A	SMBJ11CA	12.2	13.5	1	11.0	18.2	33.0	33	KZ	AZ	SMB
SMBJ12A	SMBJ12CA	13.3	14.7	1	12.0	19.9	30.2	30.2	LE	BE	SMB
SMBJ13A	SMBJ13CA	14.4	15.9	1	13.0	21.5	27.9	27.9	LG	BG	SMB
SMBJ14A	SMBJ14CA	15.6	17.2	1	14.0	23.2	25.8	25.8	LK	BK	SMB
SMBJ15A	SMBJ15CA	16.7	18.5	1	15.0	24.4	24.0	24	LM	BM	SMB
SMBJ16A	SMBJ16CA	17.8	19.7	1	16.0	26.0	23.1	23.1	LP	BP	SMB
SMBJ17A	SMBJ17CA	18.9	20.9	1	17.0	27.6	21.7	21.7	LR	BR	SMB
SMBJ18A	SMBJ18CA	20.0	22.1	1	18.0	29.2	20.5	20.5	LT	BT	SMB
SMBJ20A	SMBJ20CA	22.2	24.5	1	20.0	32.4	18.5	18.5	LV	BV	SMB
SMBJ22A	SMBJ22CA	24.4	26.9	1	22.0	35.5	16.9	16.9	LX	BX	SMB
SMBJ24A	SMBJ24CA	26.7	29.5	1	24.0	38.9	15.4	15.4	LZ	BZ	SMB
SMBJ26A	SMBJ26CA	28.9	31.9	1	26.0	42.1	14.2	14.2	ME	CE	SMB
SMBJ28A	SMBJ28CA	31.1	34.4	1	28.0	45.4	13.2	13.2	MG	CG	SMB
SMBJ30A	SMBJ30CA	33.3	36.8	1	30.0	48.4	12.4	12.4	MK	CK	SMB
SMBJ33A	SMBJ33CA	36.7	40.6	1	33.0	53.3	11.3	11.3	MM	CM	SMB
SMBJ36A	SMBJ36CA	40.0	44.2	1	36.0	58.1	10.3	10.3	MP	CP	SMB
SMBJ40A	SMBJ40CA	44.4	49.1	1	40.0	64.5	9.3	9.3	MR	CR	SMB
SMBJ43A	SMBJ43CA	47.8	52.8	1	43.0	69.4	8.6	8.6	MT	CT	SMB



SMB

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage @ I <sub>pp</sub>	Peak Pulse Current I <sub>pp</sub>	Maximum Reverse Leakage @ V <sub>WM</sub> I <sub>D</sub>	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	µA	Uni	Bi	
SMBJ45A	SMBJ45CA	50.0	55.3	1	45.0	72.7	8.3	5	MV	CV	SMB
SMBJ48A	SMBJ48CA	53.3	58.9	1	48.0	77.4	7.7	5	MX	CX	SMB
SMBJ51A	SMBJ51CA	56.7	62.7	1	51.0	82.4	7.3	5	MZ	CZ	SMB
SMBJ54A	SMBJ54CA	60.0	66.3	1	54.0	87.1	6.9	5	NE	DE	SMB
SMBJ58A	SMBJ58CA	64.4	71.2	1	58.0	93.6	6.4	5	NG	DG	SMB
SMBJ60A	SMBJ60CA	66.7	73.7	1	60.0	96.8	6.2	5	NK	DK	SMB
SMBJ64A	SMBJ64CA	71.1	78.6	1	64.0	103.0	5.8	5	NM	DM	SMB
SMBJ70A	SMBJ70CA	77.8	86.0	1	70.0	113.0	5.3	5	NP	DP	SMB
SMBJ75A	SMBJ75CA	83.3	92.1	1	75.0	121.0	4.9	5	NR	DR	SMB
SMBJ78A	SMBJ78CA	86.7	95.8	1	78.0	126.0	4.7	5	NT	DT	SMB
SMBJ85A	SMBJ85CA	94.4	104.0	1	85.0	137.0	4.4	5	NV	DV	SMB
SMBJ90A	SMBJ90CA	100.0	111.0	1	90.0	146.0	4.1	5	NX	DX	SMB
SMBJ100A	SMBJ100CA	111.0	123.0	1	100.0	162.0	3.7	5	NZ	DZ	SMB
SMBJ110A	SMBJ110CA	122.0	135.0	1	110.0	177.0	3.4	5	PE	EE	SMB
SMBJ120A	SMBJ120CA	133.0	147.0	1	120.0	193.0	3.1	5	PG	EG	SMB
SMBJ130A	SMBJ130CA	144.0	159.0	1	130.0	209.0	2.9	5	PK	EK	SMB
SMBJ150A	SMBJ150CA	167.0	185.0	1	150.0	243.0	2.5	5	PM	EM	SMB
SMBJ160A	SMBJ160CA	178.0	197.0	1	160.0	259.0	2.3	5	PP	EP	SMB
SMBJ170A	SMBJ170CA	189.0	209.0	1	170.0	275.0	2.2	5	PR	ER	SMB
SMBJ180A	SMBJ180CA	201.0	222.0	1	180.0	292.0	2.1	5	PT	ET	SMB
SMBJ200A	SMBJ200CA	224.0	247.0	1	200.0	324.0	1.9	5	PV	EV	SMB
SMBJ220A	SMBJ220CA	246.0	272.0	1	220.0	356.0	1.7	5	PX	EX	SMB
SMBJ250A	SMBJ250CA	279.0	309.0	1	250.0	405.0	1.5	5	PZ	EZ	SMB
SMBJ300A	SMBJ300CA	335.0	371.0	1	300.0	486.0	1.3	5	QE	FE	SMB
SMBJ350A	SMBJ350CA	391.0	432.0	1	350.0	567.0	1.1	5	QG	FG	SMB
SMBJ400A	SMBJ400CA	447.0	494.0	1	400.0	648.0	0.9	5	QK	FK	SMB
SMBJ440A	SMBJ440CA	492.0	543.0	1	440.0	713.0	0.9	5	QM	FM	SMB
SMBJ11AHE3		12.2	13.5	1	11.0	18.2	33.0	5	KZ	-	SMB
SMBJ12AHE3		13.3	14.7	1	12.0	19.9	30.2	5	LE	-	SMB
SMBJ13AHE3		14.4	15.9	1	13.0	21.5	27.9	5	LG	-	SMB
SMBJ14AHE3		15.6	17.2	1	14.0	23.2	25.8	5	LK	-	SMB
SMBJ15AHE3		16.7	18.5	1	15.0	24.4	24.0	5	LM	-	SMB
SMBJ16AHE3		17.8	19.7	1	16.0	26.0	23.1	5	LP	-	SMB
SMBJ17AHE3		18.9	20.9	1	17.0	27.6	21.7	5	LR	-	SMB
SMBJ18AHE3		20.0	22.1	1	18.0	29.2	20.5	5	LT	-	SMB
SMBJ20AHE3		22.2	24.5	1	20.0	32.4	18.5	5	LV	-	SMB
SMBJ22AHE3		24.4	26.9	1	22.0	35.5	16.9	5	LX	-	SMB
SMBJ24AHE3		26.7	29.5	1	24.0	38.9	15.4	5	LZ	-	SMB
SMBJ26AHE3		28.9	31.9	1	26.0	42.1	14.2	5	ME	-	SMB
SMBJ28AHE3		31.1	34.4	1	28.0	45.4	13.2	5	MG	-	SMB
SMBJ30AHE3		33.3	36.8	1	30.0	48.4	12.4	5	MK	-	SMB
SMBJ33AHE3		36.7	40.6	1	33.0	53.3	11.3	5	MM	-	SMB
SMBJ36AHE3		40.0	44.2	1	36.0	58.1	10.3	5	MP	-	SMB
SMBJ40AHE3		44.4	49.1	1	40.0	64.5	9.3	5	MR	-	SMB
SMBJ43AHE3		47.8	52.8	1	43.0	69.4	8.6	5	MT	-	SMB
SMBJ45AHE3		50.0	55.3	1	45.0	72.7	8.3	5	MV	-	SMB
SMBJ48AHE3		53.3	58.9	1	48.0	77.4	7.7	5	MX	-	SMB
SMBJ51AHE3		56.7	62.7	1	51.0	82.4	7.3	5	MZ	-	SMB
SMBJ54AHE3		60.0	66.3	1	54.0	87.1	6.9	5	NE	-	SMB
SMBJ58AHE3		64.4	71.2	1	58.0	93.6	6.4	5	NG	-	SMB
SMBJ60AHE3		66.7	73.7	1	60.0	96.8	6.2	5	NK	-	SMB

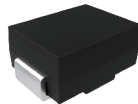


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## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Maximum Reverse Leakage @ V <sub>WM</sub> I <sub>D</sub>	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	µA	Uni	Bi	
SMBJ64AHE3		71.1	78.6	1	64.0	103.0	5.8	5	NM	-	SMB
SMBJ70AHE3		77.8	86.0	1	70.0	113.0	5.3	5	NP	-	SMB
SMBJ75AHE3		83.3	92.1	1	75.0	121.0	4.9	5	NR	-	SMB
SMBJ78AHE3		86.7	95.8	1	78.0	126.0	4.7	5	NT	-	SMB
SMBJP6KE6.8A		6.5	7.1	10	5.8	10.5	58.1	1000	6V8A	-	SMB
SMBJP6KE7.5A		7.1	7.9	10	6.4	11.3	54.0	500	7V5A	-	SMB
SMBJP6KE8.2A		7.8	8.6	10	7.0	12.1	50.4	200	8V2A	-	SMB
SMBJP6KE9.1A		8.7	9.6	1	7.8	13.4	45.5	50	9V1A	-	SMB
SMBJP6KE10A		9.5	10.5	1	8.6	14.5	42.1	10	10A	-	SMB
SMBJP6KE11A		10.5	11.6	1	9.4	15.6	39.1	5	11A	-	SMB
SMBJP6KE12A		11.4	12.6	1	10.2	16.7	36.5	5	12A	-	SMB
SMBJP6KE13A		12.4	13.7	1	11.1	18.2	33.5	1	13A	-	SMB
SMBJP6KE15A		14.3	15.8	1	12.8	21.2	28.8	1	15A	-	SMB

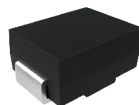
Part Number	Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Maximum Reverse Leakage @ V <sub>WM</sub> I <sub>D</sub>	Marking Code	Package
	Min	Max	mA	V	V	A	µA		
SMBJP6KE16A	15.2	16.8	1	13.6	22.5	27.1	1	16A	SMB
SMBJP6KE18A	17.1	18.9	1	15.3	25.5	24.2	1	18A	SMB
SMBJP6KE20A	19.0	21.0	1	17.1	27.7	22.0	1	20A	SMB
SMBJP6KE22A	20.9	23.1	1	18.8	30.6	19.9	1	22A	SMB
SMBJP6KE24A	22.8	25.2	1	20.5	33.2	18.4	1	24A	SMB
SMBJP6KE27A	25.7	28.4	1	23.1	37.5	16.3	1	27A	SMB
SMBJP6KE30A	28.5	31.5	1	25.6	41.4	14.7	1	30A	SMB
SMBJP6KE33A	31.4	34.7	1	28.2	45.7	13.3	1	33A	SMB
SMBJP6KE36A	34.2	37.8	1	30.8	49.9	12.2	1	36A	SMB
SMBJP6KE39A	37.1	41.0	1	33.3	53.9	11.3	1	39A	SMB
SMBJP6KE43A	40.9	45.2	1	36.8	59.3	10.3	1	43A	SMB
SMBJP6KE47A	44.7	49.4	1	40.2	64.8	9.4	1	47A	SMB
SMBJP6KE51A	48.5	53.6	1	43.6	70.1	8.7	1	51A	SMB
SMBJP6KE56A	53.2	58.8	1	47.8	77.0	7.9	1	56A	SMB
SMBJP6KE62A	58.9	65.1	1	53.0	85.0	7.2	1	62A	SMB
SMBJP6KE68A	64.6	71.4	1	58.1	92.0	6.6	1	68A	SMB
SMBJP6KE75A	71.3	78.8	1	64.1	103.0	5.9	1	75A	SMB
SMBJP6KE82A	77.9	86.1	1	70.1	113.0	5.4	1	82A	SMB
SMBJP6KE91A	86.5	95.5	1	77.8	125.0	4.9	1	91A	SMB
SMBJP6KE100A	95.0	105.0	1	85.5	137.0	4.5	1	100A	SMB
SMBJP6KE110A	105.0	116.0	1	94.0	152.0	4.0	1	110A	SMB
SMBJP6KE120A	114.0	126.0	1	102.0	165.0	3.7	1	120A	SMB
SMBJP6KE130A	124.0	137.0	1	111.0	179.0	3.4	1	130A	SMB
SMBJP6KE150A	143.0	158.0	1	128.0	207.0	2.9	1	150A	SMB
SMBJP6KE160A	152.0	168.0	1	136.0	219.0	2.8	1	160A	SMB
SMBJP6KE170A	162.0	179.0	1	145.0	234.0	2.6	1	170A	SMB
SMBJP6KE180A	171.0	189.0	1	154.0	246.0	2.5	1	180A	SMB
SMBJP6KE200A	190.0	210.0	1	171.0	274.0	2.2	1	200A	SMB
SMBJP6KE220A	209.0	231.0	1	185.0	328.0	1.9	1	220A	SMB
SMBJP6KE250A	237.0	263.0	1	214.0	344.0	1.9	1	250A	SMB
SMBJP6KE300A	285.0	315.0	1	256.0	414.0	1.5	1	300A	SMB
SMBJP6KE350A	332.0	368.0	1	300.0	482.0	1.3	1	350A	SMB



SMB

## TRANSIENT VOLTAGE SUPPRESSORS

Part Number	Breakdown Voltage $V_{BR} @ I_T$ (Volt)		Test Current $I_T$	Reverse Standoff Voltage $V_{WM}$	Maximum Clamping Voltage $@ I_{PP}$	Peak Pulse Current $I_{PP}$	Maximum Reverse Leakage $@ V_{WM}$ $I_0$	Marking Code	Package
	Min	Max							
SMBJP6KE400A	380.0	420.0	1	342.0	548.0	1.1	1	400A	SMB
SMBJP6KE440A	418.0	462.0	1	376.0	602.0	1.0	1	440A	SMB
SMBJP6KE480A	456.0	504.0	1	408.0	658.0	0.9	1	480A	SMB
SMBJP6KE510A	485.0	535.0	1	434.0	698.0	0.9	1	510A	SMB
SMBJP6KE530A	503.5	556.5	1	477.0	725.0	0.8	1	530A	SMB
SMBJP6KE540A	513.0	567.0	1	459.0	740.0	0.8	1	540A	SMB
SMBJP6KE550A	522.5	577.5	1	495.0	760.0	0.8	1	550A	SMB
SMBJP6KE6.8CA	6.5	7.1	10	5.8	10.5	58.1	1000	6V8C	SMB
SMBJP6KE7.5CA	7.1	7.9	10	6.4	11.3	54.0	500	7V5C	SMB
SMBJP6KE8.2CA	7.8	8.6	10	7.0	12.1	50.4	200	8V2C	SMB
SMBJP6KE9.1CA	8.7	9.6	1	7.8	13.4	45.5	50	9V1C	SMB
SMBJP6KE10CA	9.5	10.5	1	8.6	14.5	42.1	10	10C	SMB
SMBJP6KE11CA	10.5	11.6	1	9.4	15.6	39.1	5	11C	SMB
SMBJP6KE12CA	11.4	12.6	1	10.2	16.7	36.5	5	12C	SMB
SMBJP6KE13CA	12.4	13.7	1	11.1	18.2	33.5	5	13C	SMB
SMBJP6KE15CA	14.3	15.8	1	12.8	21.2	28.8	5	15C	SMB
SMBJP6KE16CA	15.2	16.8	1	13.6	22.5	27.1	5	16C	SMB
SMBJP6KE18CA	17.1	18.9	1	15.3	25.5	24.2	5	18C	SMB
SMBJP6KE20CA	19.0	21.0	1	17.1	27.7	22.0	5	20C	SMB
SMBJP6KE22CA	20.9	23.1	1	18.8	30.6	19.9	5	22C	SMB
SMBJP6KE24CA	22.8	25.2	1	20.5	33.2	18.4	5	24C	SMB
SMBJP6KE27CA	25.7	28.4	1	23.1	37.5	16.3	5	27C	SMB
SMBJP6KE30CA	28.5	31.5	1	25.6	41.4	14.7	5	30C	SMB
SMBJP6KE33CA	31.4	34.7	1	28.2	45.7	13.3	5	33C	SMB
SMBJP6KE36CA	34.2	37.8	1	30.8	49.9	12.2	5	36C	SMB
SMBJP6KE39CA	37.1	41.0	1	33.3	53.9	11.3	5	39C	SMB
SMBJP6KE43CA	40.9	45.2	1	36.8	59.3	10.3	5	43C	SMB
SMBJP6KE47CA	44.7	49.4	1	40.2	64.8	9.4	5	47C	SMB
SMBJP6KE51CA	48.5	53.6	1	43.6	70.1	8.7	5	51C	SMB
SMBJP6KE56CA	53.2	58.8	1	47.8	77.0	7.9	5	56C	SMB
SMBJP6KE62CA	58.9	65.1	1	53.0	85.0	7.2	5	62C	SMB
SMBJP6KE68CA	64.6	71.4	1	58.1	92.0	6.6	5	68C	SMB
SMBJP6KE75CA	71.3	78.8	1	64.1	103.0	5.9	5	75C	SMB
SMBJP6KE82CA	77.9	86.1	1	70.1	113.0	5.4	5	82C	SMB
SMBJP6KE91CA	86.5	95.5	1	77.8	125.0	4.9	5	91C	SMB
SMBJP6KE100CA	95.0	105.0	1	85.5	137.0	4.5	5	100C	SMB
SMBJP6KE110CA	105.0	116.0	1	94.0	152.0	4.0	5	110C	SMB
SMBJP6KE120CA	114.0	126.0	1	102.0	165.0	3.7	5	120C	SMB
SMBJP6KE130CA	124.0	137.0	1	111.0	179.0	3.4	5	130C	SMB
SMBJP6KE150CA	143.0	158.0	1	128.0	207.0	2.9	5	150C	SMB
SMBJP6KE160CA	152.0	168.0	1	136.0	219.0	2.8	5	160C	SMB
SMBJP6KE170CA	162.0	179.0	1	145.0	234.0	2.6	5	170C	SMB
SMBJP6KE180CA	171.0	189.0	1	154.0	246.0	2.5	5	180C	SMB
SMBJP6KE200CA	190.0	210.0	1	171.0	274.0	2.2	5	200C	SMB
SMBJP6KE220CA	209.0	231.0	1	185.0	328.0	1.9	5	220C	SMB
SMBJP6KE250CA	237.0	263.0	1	214.0	344.0	1.9	5	250C	SMB
SMBJP6KE300CA	285.0	315.0	1	256.0	414.0	1.5	5	300C	SMB
SMBJP6KE350CA	332.0	368.0	1	300.0	482.0	1.3	5	350C	SMB
SMBJP6KE400CA	380.0	420.0	1	342.0	548.0	1.1	5	400C	SMB
SMBJP6KE440CA	418.0	462.0	1	376.0	602.0	1.0	5	440C	SMB
SMBJP6KE480CA	456.0	504.0	1	408.0	658.0	0.9	5	480C	SMB

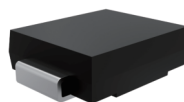


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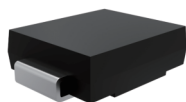
## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage @ I <sub>pp</sub>	Peak Pulse Current I <sub>pp</sub>	Maximum Reverse Leakage @ V <sub>WM</sub> I <sub>b</sub>	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	µA	Uni	Bi	
SMCJ1.5KE6.8A	SMCJ1.5KE6.8CA	6.5	7.1	10	5.8	10.5	144.80	1000	6V8A	6V8C	SMC
SMCJ1.5KE7.5A	SMCJ1.5KE7.5CA	7.1	7.9	10	6.4	11.3	134.50	500	7V5A	7V5C	SMC
SMCJ1.5KE8.2A	SMCJ1.5KE8.2CA	7.8	8.6	10	7.0	12.1	125.60	200	8V2A	8V2C	SMC
SMCJ1.5KE9.1A	SMCJ1.5KE9.1CA	8.7	9.6	1	7.8	13.4	113.40	50	9V1A	9V1C	SMC
SMCJ1.5KE10A	SMCJ1.5KE10CA	9.5	10.5	1	8.6	14.5	104.80	10	10A	10C	SMC
SMCJ1.5KE11A	SMCJ1.5KE11CA	10.5	11.6	1	9.4	15.6	97.40	5	11A	11C	SMC
SMCJ1.5KE12A	SMCJ1.5KE12CA	11.4	12.6	1	10.2	16.7	91.00	5	12A	12C	SMC
SMCJ1.5KE13A	SMCJ1.5KE13CA	12.4	13.7	1	11.1	18.2	83.50	5	13A	13C	SMC
SMCJ1.5KE15A	SMCJ1.5KE15CA	14.3	15.8	1	12.8	21.2	71.70	5	15A	15C	SMC
SMCJ1.5KE16A	SMCJ1.5KE16CA	15.2	16.8	1	13.6	22.5	67.60	5	16A	16C	SMC
SMCJ1.5KE18A	SMCJ1.5KE18CA	17.1	18.9	1	15.3	25.5	60.30	5	18A	18C	SMC
SMCJ1.5KE20A	SMCJ1.5KE20CA	19.0	21.0	1	17.1	27.7	54.90	5	20A	20C	SMC
SMCJ1.5KE22A	SMCJ1.5KE22CA	20.9	23.1	1	18.8	30.6	49.70	5	22A	22C	SMC
SMCJ1.5KE24A	SMCJ1.5KE24CA	22.8	25.2	1	20.5	33.2	45.80	5	24A	24C	SMC
SMCJ1.5KE27A	SMCJ1.5KE27CA	25.7	28.4	1	23.1	37.5	40.50	5	27A	27C	SMC
SMCJ1.5KE30A	SMCJ1.5KE30CA	28.5	31.5	1	25.6	41.4	36.70	5	30A	30C	SMC
SMCJ1.5KE33A	SMCJ1.5KE33CA	31.4	34.7	1	28.2	45.7	33.30	5	33A	33C	SMC
SMCJ1.5KE36A	SMCJ1.5KE36CA	34.2	37.8	1	30.8	49.9	30.50	5	36A	36C	SMC
SMCJ1.5KE39A	SMCJ1.5KE39CA	37.1	41.0	1	33.3	53.9	28.20	5	39A	39C	SMC
SMCJ1.5KE43A	SMCJ1.5KE43CA	40.9	45.2	1	36.8	59.3	25.60	5	43A	43C	SMC
SMCJ1.5KE47A	SMCJ1.5KE47CA	44.7	49.4	1	40.2	64.8	23.50	5	47A	47C	SMC
SMCJ1.5KE51A	SMCJ1.5KE51CA	48.5	53.6	1	43.6	70.1	21.70	5	51A	51C	SMC
SMCJ1.5KE56A	SMCJ1.5KE56CA	53.2	58.8	1	47.8	77.0	19.70	5	56A	56C	SMC
SMCJ1.5KE62A	SMCJ1.5KE62CA	58.9	65.1	1	53.0	85.0	17.90	5	62A	62C	SMC
SMCJ1.5KE68A	SMCJ1.5KE68CA	64.6	71.4	1	58.1	92.0	16.50	5	68A	68C	SMC
SMCJ1.5KE75A	SMCJ1.5KE75CA	71.3	78.8	1	64.1	103.0	14.80	5	75A	75C	SMC
SMCJ1.5KE82A	SMCJ1.5KE82CA	77.9	86.1	1	70.1	113.0	13.50	5	82A	82C	SMC
SMCJ1.5KE91A	SMCJ1.5KE91CA	86.5	95.5	1	77.8	125.0	12.20	5	91A	91C	SMC
SMCJ1.5KE100A	SMCJ1.5KE100CA	95.0	105.0	1	85.5	137.0	11.10	5	100A	100C	SMC
SMCJ1.5KE110A	SMCJ1.5KE110CA	105.0	116.0	1	94.0	152.0	10.00	5	110A	110C	SMC
SMCJ1.5KE120A	SMCJ1.5KE120CA	114.0	126.0	1	102.0	165.0	9.20	5	120A	120C	SMC
SMCJ1.5KE130A	SMCJ1.5KE130CA	124.0	137.0	1	111.0	179.0	8.50	5	130A	130C	SMC
SMCJ1.5KE150A	SMCJ1.5KE150CA	143.0	158.0	1	128.0	207.0	7.30	5	150A	150C	SMC
SMCJ1.5KE160A	SMCJ1.5KE160CA	152.0	168.0	1	136.0	219.0	6.90	5	160A	160C	SMC
SMCJ1.5KE170A	SMCJ1.5KE170CA	162.0	179.0	1	145.0	234.0	6.50	5	170A	170C	SMC
SMCJ1.5KE180A	SMCJ1.5KE180CA	171.0	189.0	1	154.0	246.0	6.20	5	180A	180C	SMC
SMCJ1.5KE200A	SMCJ1.5KE200CA	190.0	210.0	1	171.0	274.0	5.50	5	200A	200C	SMC
SMCJ1.5KE220A	SMCJ1.5KE220CA	209.0	231.0	1	185.0	328.0	4.60	5	220A	220C	SMC
SMCJ1.5KE250A	SMCJ1.5KE250CA	237.0	263.0	1	214.0	344.0	4.40	5	250A	250C	SMC
SMCJ1.5KE300A	SMCJ1.5KE300CA	285.0	315.0	1	256.0	414.0	3.70	5	300A	300C	SMC
SMCJ1.5KE350A	SMCJ1.5KE350CA	332.0	368.0	1	300.0	482.0	3.20	5	350A	350C	SMC
SMCJ1.5KE400A	SMCJ1.5KE400CA	380.0	420.0	1	342.0	548.0	2.80	5	400A	400C	SMC
SMCJ1.5KE440A	SMCJ1.5KE440CA	418.0	462.0	1	376.0	602.0	2.50	5	440A	440C	SMC
SMCJ1.5KE480A	SMCJ1.5KE480CA	456.0	504.0	1	408.0	658.0	2.30	5	480A	480C	SMC
SMCJ1.5KE510A	SMCJ1.5KE510CA	485.0	535.0	1	434.0	698.0	2.10	5	510A	510C	SMC
SMCJ1.5KE530A	SMCJ1.5KE530CA	503.5	556.5	1	477.0	725.0	2.10	5	530A	530C	SMC
SMCJ1.5KE540A	SMCJ1.5KE540CA	513.0	567.0	1	459.0	740.0	2.00	5	540A	540C	SMC
SMCJ1.5KE550A	SMCJ1.5KE550CA	522.5	577.5	1	495.0	760.0	2.00	5	550A	550C	SMC
SMCJ1.5KE12AHE3	SMCJ1.5KE12CAHE3	11.4	12.6	1	10.2	16.7	91.00	5	12A	12C	SMC
SMCJ1.5KE13AHE3	SMCJ1.5KE13CAHE3	12.4	13.7	1	11.1	18.2	83.50	5	13A	13C	SMC
SMCJ1.5KE15AHE3	SMCJ1.5KE15CAHE3	14.3	15.8	1	12.8	21.2	71.70	5	15A	15C	SMC
SMCJ1.5KE16AHE3	SMCJ1.5KE16CAHE3	15.2	16.8	1	13.6	22.5	67.60	5	16A	16C	SMC
SMCJ1.5KE18AHE3	SMCJ1.5KE18CAHE3	17.1	18.9	1	15.3	25.5	60.30	5	18A	18C	SMC



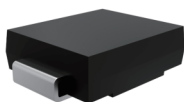
## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage @ I <sub>pp</sub>	Peak Pulse Current I <sub>pp</sub>	Maximum Reverse Leakage @ V <sub>WM</sub> I <sub>R</sub>	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	µA	Uni	Bi	
SMCJ1.5KE20AHE3	SMCJ1.5KE20CAHE3	19.0	21.0	1	17.1	27.7	54.90	5	20A	20C	SMC
SMCJ1.5KE22AHE3	SMCJ1.5KE22CAHE3	20.9	23.1	1	18.8	30.6	49.70	5	22A	22C	SMC
SMCJ1.5KE24AHE3	SMCJ1.5KE24CAHE3	22.8	25.2	1	20.5	33.2	45.80	5	24A	24C	SMC
SMCJ1.5KE27AHE3	SMCJ1.5KE27CAHE3	25.7	28.4	1	23.1	37.5	40.50	5	27A	27C	SMC
SMCJ1.5KE30AHE3	SMCJ1.5KE30CAHE3	28.5	31.5	1	25.6	41.4	36.70	5	30A	30C	SMC
SMCJ1.5KE33AHE3	SMCJ1.5KE33CAHE3	31.4	34.7	1	28.2	45.7	33.30	5	33A	33C	SMC
SMCJ1.5KE36AHE3	SMCJ1.5KE36CAHE3	34.2	37.8	1	30.8	49.9	30.50	5	36A	36C	SMC
SMCJ1.5KE39AHE3	SMCJ1.5KE39CAHE3	37.1	41.0	1	33.3	53.9	28.20	5	39A	39C	SMC
SMCJ1.5KE43AHE3	SMCJ1.5KE43CAHE3	40.9	45.2	1	36.8	59.3	25.60	5	43A	43C	SMC
SMCJ1.5KE47AHE3	SMCJ1.5KE47CAHE3	44.7	49.4	1	40.2	64.8	23.50	5	47A	47C	SMC
SMCJ1.5KE51AHE3	SMCJ1.5KE51CAHE3	48.5	53.6	1	43.6	70.1	21.70	5	51A	51C	SMC
SMCJ1.5KE56AHE3	SMCJ1.5KE56CAHE3	53.2	58.8	1	47.8	77.0	19.70	5	56A	56C	SMC
SMCJ1.5KE62AHE3	SMCJ1.5KE62CAHE3	58.9	65.1	1	53.0	85.0	17.90	5	62A	62C	SMC
SMCJ1.5KE68AHE3	SMCJ1.5KE68CAHE3	64.6	71.4	1	58.1	92.0	16.50	5	68A	68C	SMC
SMCJ1.5KE75AHE3	SMCJ1.5KE75CAHE3	71.3	78.8	1	64.1	103.0	14.80	5	75A	75C	SMC
SMCJ1.5KE82AHE3	SMCJ1.5KE82CAHE3	77.9	86.1	1	70.1	113.0	13.50	5	82A	82C	SMC
SMCJ1.5KE91AHE3	SMCJ1.5KE91CAHE3	86.5	95.5	1	77.8	125.0	12.20	5	91A	91C	SMC
SMCJ5.0A	SMCJ5.0CA	6.4	7.0	10	5.0	9.2	163.00	800	GDE	BDE	SMC
SMCJ6.0A	SMCJ6.0CA	6.7	7.4	10	6.0	10.3	145.70	800	GDG	BDG	SMC
SMCJ6.5A	SMCJ6.5CA	7.2	8.0	10	6.5	11.2	134.00	500	GDK	BDK	SMC
SMCJ7.0A	SMCJ7.0CA	7.8	8.6	10	7.0	12.0	125.00	200	GDM	BDM	SMC
SMCJ7.5A	SMCJ7.5CA	8.3	9.2	1	7.5	12.9	116.30	100	GDP	BDP	SMC
SMCJ8.0A	SMCJ8.0CA	8.9	9.8	1	8.0	13.6	110.30	50	GDR	BDR	SMC
SMCJ8.5A	SMCJ8.5CA	9.4	10.4	1	8.5	14.4	104.20	20	GDT	BDT	SMC
SMCJ9.0A	SMCJ9.0CA	10.0	11.1	1	9.0	15.4	97.40	10	GDV	BDV	SMC
SMCJ10A	SMCJ10CA	11.1	12.3	1	10.0	17.0	88.30	1	GDX	BDX	SMC
SMCJ11A	SMCJ11CA	12.2	13.5	1	11.0	18.2	82.50	1	GDZ	BDZ	SMC
SMCJ12A	SMCJ12CA	13.3	14.7	1	12.0	19.9	75.40	1	GEE	BEE	SMC
SMCJ13A	SMCJ13CA	14.4	15.9	1	13.0	21.5	69.80	1	GEG	BEG	SMC
SMCJ14A	SMCJ14CA	15.6	17.2	1	14.0	23.2	64.70	1	GEK	BEK	SMC
SMCJ15A	SMCJ15CA	16.7	18.5	1	15.0	24.4	61.50	1	GEM	BEM	SMC
SMCJ16A	SMCJ16CA	17.8	19.7	1	16.0	26.0	57.70	1	GEP	BEP	SMC
SMCJ17A	SMCJ17CA	18.9	20.9	1	17.0	27.6	54.40	1	GER	BER	SMC
SMCJ18A	SMCJ18CA	20.0	22.1	1	18.0	29.2	51.40	1	GET	BET	SMC
SMCJ20A	SMCJ20CA	22.2	24.5	1	20.0	32.4	46.30	1	GEV	BEV	SMC
SMCJ22A	SMCJ22CA	24.4	26.9	1	22.0	35.5	42.30	1	GEX	BEX	SMC
SMCJ24A	SMCJ24CA	26.7	29.5	1	24.0	38.9	38.60	1	GEZ	BEZ	SMC
SMCJ26A	SMCJ26CA	28.9	31.9	1	26.0	42.1	35.70	1	GFE	BFE	SMC
SMCJ28A	SMCJ28CA	31.1	34.4	1	28.0	45.4	33.10	1	GFG	BFG	SMC
SMCJ30A	SMCJ30CA	33.3	36.8	1	30.0	48.4	31.00	1	GFK	BFK	SMC
SMCJ33A	SMCJ33CA	36.7	40.6	1	33.0	53.3	28.20	1	GFM	BFM	SMC
SMCJ36A	SMCJ36CA	40.0	44.2	1	36.0	58.1	25.90	1	GFP	BFP	SMC
SMCJ40A	SMCJ40CA	44.4	49.1	1	40.0	64.5	23.30	1	GFR	BFR	SMC
SMCJ43A	SMCJ43CA	47.8	52.8	1	43.0	69.4	21.70	1	GFT	BFT	SMC
SMCJ45A	SMCJ45CA	50.0	55.3	1	45.0	72.7	20.60	1	GFV	BFV	SMC
SMCJ48A	SMCJ48CA	53.3	58.9	1	48.0	77.4	19.40	1	GFX	BFX	SMC
SMCJ51A	SMCJ51CA	56.7	62.7	1	51.0	82.4	18.20	1	GFZ	BFZ	SMC
SMCJ54A	SMCJ54CA	60.0	66.3	1	54.0	87.1	17.30	1	GGE	BGE	SMC
SMCJ58A	SMCJ58CA	64.4	71.2	1	58.0	93.6	16.10	1	GGG	BGG	SMC
SMCJ60A	SMCJ60CA	66.7	73.7	1	60.0	96.8	15.50	1	G GK	BGK	SMC
SMCJ64A	SMCJ64CA	71.1	78.6	1	64.0	103.0	14.60	1	GGM	BGM	SMC
SMCJ70A	SMCJ70CA	77.8	86.0	1	70.0	113.0	13.30	1	GGP	BGP	SMC
SMCJ75A	SMCJ75CA	83.3	92.1	1	75.0	121.0	12.40	1	GGR	BGR	SMC



## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage @ I <sub>pp</sub>	Peak Pulse Current I <sub>pp</sub>	Maximum Reverse Leakage @ V <sub>WM</sub> I <sub>R</sub>	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	µA	Uni	Bi	
SMCJ78A	SMCJ78CA	86.7	95.8	1	78.0	126.0	11.90	1	GGT	BGT	SMC
SMCJ85A	SMCJ85CA	94.4	104.0	1	85.0	137.0	11.00	1	GGV	BGV	SMC
SMCJ90A	SMCJ90CA	100.0	111.0	1	90.0	146.0	10.30	1	GGX	BGX	SMC
SMCJ100A	SMCJ100CA	111.0	123.0	1	100.0	162.0	9.30	1	GGZ	BGZ	SMC
SMCJ110A	SMCJ110CA	122.0	135.0	1	110.0	177.0	8.50	1	GHE	BHE	SMC
SMCJ120A	SMCJ120CA	133.0	147.0	1	120.0	193.0	7.80	1	GHG	BHG	SMC
SMCJ130A	SMCJ130CA	144.0	159.0	1	130.0	209.0	7.20	1	GHK	BHK	SMC
SMCJ150A	SMCJ150CA	167.0	185.0	1	150.0	243.0	6.20	1	GHM	BHM	SMC
SMCJ160A	SMCJ160CA	178.0	197.0	1	160.0	259.0	5.80	1	GHP	BHP	SMC
SMCJ170A	SMCJ170CA	189.0	209.0	1	170.0	275.0	5.50	1	GHR	BHR	SMC
SMCJ180A	SMCJ180CA	201.0	222.0	1	180.0	292.0	5.10	1	GHT	BHT	SMC
SMCJ200A	SMCJ200CA	224.0	247.0	1	200.0	324.0	4.60	1	GHV	BHV	SMC
SMCJ220A	SMCJ220CA	246.0	272.0	1	220.0	356.0	4.20	1	GHX	BHX	SMC
SMCJ250A	SMCJ250CA	279.0	309.0	1	250.0	405.0	3.70	1	GHZ	BHZ	SMC
SMCJ300A	SMCJ300CA	335.0	371.0	1	300.0	486.0	3.10	1	GJE	BJE	SMC
SMCJ350A	SMCJ350CA	391.0	432.0	1	350.0	567.0	2.60	1	GJG	BJG	SMC
SMCJ400A	SMCJ400CA	447.0	494.0	1	400.0	648.0	2.30	1	GJK	BJK	SMC
SMCJ440A	SMCJ440CA	492.0	543.0	1	440.0	713.0	2.10	1	GJM	BJM	SMC
SMCJ10AHE3	SMCJ10CAHE3	11.1	12.3	1	10.0	17.0	88.30	1	GDX	BDX	SMC
SMCJ11AHE3	SMCJ11CAHE3	12.2	13.5	1	11.0	18.2	82.50	1	GDZ	BDZ	SMC
SMCJ12AHE3	SMCJ12CAHE3	13.3	14.7	1	12.0	19.9	75.40	1	GEE	BEE	SMC
SMCJ13AHE3	SMCJ13CAHE3	14.4	15.9	1	13.0	21.5	69.80	1	GEG	BEG	SMC
SMCJ14AHE3	SMCJ14CAHE3	15.6	17.2	1	14.0	23.2	64.70	1	GEK	BEK	SMC
SMCJ15AHE3	SMCJ15CAHE3	16.7	18.5	1	15.0	24.4	61.50	1	GEM	BEM	SMC
SMCJ16AHE3	SMCJ16CAHE3	17.8	19.7	1	16.0	26.0	57.70	1	GEP	BEP	SMC
SMCJ17AHE3	SMCJ17CAHE3	18.9	20.9	1	17.0	27.6	54.40	1	GER	BER	SMC
SMCJ18AHE3	SMCJ18CAHE3	20.0	22.1	1	18.0	29.2	51.40	1	GET	BET	SMC
SMCJ20AHE3	SMCJ20CAHE3	22.2	24.5	1	20.0	32.4	46.30	1	GEV	BEV	SMC
SMCJ22AHE3	SMCJ22CAHE3	24.4	26.9	1	22.0	35.5	42.30	1	GEX	BEX	SMC
SMCJ24AHE3	SMCJ24CAHE3	26.7	29.5	1	24.0	38.9	38.60	1	GEZ	BEZ	SMC
SMCJ26AHE3	SMCJ26CAHE3	28.9	31.9	1	26.0	42.1	35.70	1	GFE	BFE	SMC
SMCJ28AHE3	SMCJ28CAHE3	31.1	34.4	1	28.0	45.4	33.10	1	GFG	BFG	SMC
SMCJ30AHE3	SMCJ30CAHE3	33.3	36.8	1	30.0	48.4	31.00	1	GFK	BFK	SMC
SMCJ33AHE3	SMCJ33CAHE3	36.7	40.6	1	33.0	53.3	28.20	1	GFM	BFM	SMC
SMCJ36AHE3	SMCJ36CAHE3	40.0	44.2	1	36.0	58.1	25.90	1	GFP	BFP	SMC
SMCJ40AHE3	SMCJ40CAHE3	44.4	49.1	1	40.0	64.5	23.30	1	GFR	BFR	SMC
SMCJ43AHE3	SMCJ43CAHE3	47.8	52.8	1	43.0	69.4	21.70	1	GFT	BFT	SMC
SMCJ45AHE3	SMCJ45CAHE3	50.0	55.3	1	45.0	72.7	20.60	1	GFV	BFV	SMC
SMCJ48AHE3	SMCJ48CAHE3	53.3	58.9	1	48.0	77.4	19.40	1	GFX	BFX	SMC
SMCJ51AHE3	SMCJ51CAHE3	56.7	62.7	1	51.0	82.4	18.20	1	GFZ	BFZ	SMC
SMCJ54AHE3	SMCJ54CAHE3	60.0	66.3	1	54.0	87.1	17.30	1	GGE	BGE	SMC
SMCJ58AHE3	SMCJ58CAHE3	64.4	71.2	1	58.0	93.6	16.10	1	GGG	BGG	SMC
SMCJ60AHE3	SMCJ60CAHE3	66.7	73.7	1	60.0	96.8	15.50	1	GKK	BGK	SMC
SMCJ64AHE3	SMCJ64CAHE3	71.1	78.6	1	64.0	103.0	14.60	1	GGM	BGM	SMC
SMCJ70AHE3	SMCJ70CAHE3	77.8	86.0	1	70.0	113.0	13.30	1	GGP	BGP	SMC
SMCJ75AHE3	SMCJ75CAHE3	83.3	92.1	1	75.0	121.0	12.40	1	GGR	BGR	SMC
SMCJ78AHE3	SMCJ78CAHE3	86.7	95.8	1	78.0	126.0	11.90	1	GGT	BGT	SMC
SMLJ5.0A	SMLJ5.0CA	6.4	7.0	10	5.0	9.2	326.00	1000	RDE	DDE/IDE	SMC
SMLJ6.0A	SMLJ6.0CA	6.7	7.4	10	6.0	10.3	291.30	1000	RDG	DDG/IDG	SMC
SMLJ6.5A	SMLJ6.5CA	7.2	8.0	10	6.5	11.2	267.90	500	RDK	DDK/IDK	SMC
SMLJ7.0A	SMLJ7.0CA	7.8	8.6	10	7.0	12.0	250.00	200	PDM/HDM	DDM/IDM	SMC
SMLJ7.5A	SMLJ7.5CA	8.3	9.2	1	7.5	12.9	232.60	100	PDP/HDP	DDP/IDP	SMC
SMLJ8.0A	SMLJ8.0CA	8.9	9.8	1	8.0	13.6	220.60	50	PDR/HDR	DDR/IDR	SMC



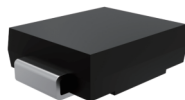
## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Maximum Reverse Leakage @ V <sub>WM</sub> I <sub>R</sub>	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	µA	Uni	Bi	
SMLJ8.5A	SMLJ8.5CA	9.4	10.4	1	8.5	14.4	208.40	25	PDT/HDT	DDT/IDT	SMC
SMLJ9.0A	SMLJ9.0CA	10.0	11.1	1	9.0	15.4	194.80	10	PDV/HDV	DDV/IDV	SMC
SMLJ10A	SMLJ10CA	11.1	12.3	1	10.0	17.0	176.40	5	PDX/HDX	DDX/IDX	SMC
SMLJ11A	SMLJ11CA	12.2	13.5	1	11.0	18.2	164.80	5	PDZ/HDZ	DDZ/IDZ	SMC
SMLJ12A	SMLJ12CA	13.3	14.7	1	12.0	19.9	150.60	5	PEE/HEE	DEE/IEE	SMC
SMLJ13A	SMLJ13CA	14.4	15.9	1	13.0	21.5	139.40	5	PEG/HEG	DEG/IEG	SMC
SMLJ14A	SMLJ14CA	15.6	17.2	1	14.0	23.2	129.40	5	PEK/HEK	DEK/IEK	SMC
SMLJ15A	SMLJ15CA	16.7	18.5	1	15.0	24.4	123.00	5	PEM/HEM	DEM/IEM	SMC
SMLJ16A	SMLJ16CA	17.8	19.7	1	16.0	26.0	115.40	5	PEP/HEP	DEP/IEP	SMC
SMLJ17A	SMLJ17CA	18.9	20.9	1	17.0	27.6	106.60	5	PER/HER	DER/IER	SMC
SMLJ18A	SMLJ18CA	20.0	22.1	1	18.0	29.2	102.80	5	PET/HET	DET/IET	SMC
SMLJ20A	SMLJ20CA	22.2	24.5	1	20.0	32.4	92.60	5	PEV/HEV	DEV/IEV	SMC
SMLJ22A	SMLJ22CA	24.4	26.9	1	22.0	35.5	84.40	5	PEX/HEX	DEX/IEX	SMC
SMLJ24A	SMLJ24CA	26.7	29.5	1	24.0	38.9	77.20	5	PEZ/HEZ	DEZ/IEZ	SMC
SMLJ26A	SMLJ26CA	28.9	31.9	1	26.0	42.1	71.20	5	PFE/HFE	DFE/IFE	SMC
SMLJ28A	SMLJ28CA	31.1	34.4	1	28.0	45.4	66.00	5	PFG/HFG	DFG/IFG	SMC
SMLJ30A	SMLJ30CA	33.3	36.8	1	30.0	48.4	62.00	5	PFK/HFK	DFK/IFK	SMC
SMLJ33A	SMLJ33CA	36.7	40.6	1	33.0	53.3	56.20	5	PFM/HFM	DFM/IFM	SMC
SMLJ36A	SMLJ36CA	40.0	44.2	1	36.0	58.1	51.60	5	PFH/HFH	DFH/IFH	SMC
SMLJ40A	SMLJ40CA	44.4	49.1	1	40.0	64.5	46.40	5	PFR/HFR	DFR/IFR	SMC
SMLJ43A	SMLJ43CA	47.8	52.8	1	43.0	69.4	43.20	5	PFT/HFT	DFT/IFT	SMC
SMLJ45A	SMLJ45CA	50.0	55.3	1	45.0	72.7	41.20	5	PFV/HFV	DFV/IFV	SMC
SMLJ48A	SMLJ48CA	53.3	58.9	1	48.0	77.4	38.80	5	PFX/HFX	DFX/IFX	SMC
SMLJ51A	SMLJ51CA	56.7	62.7	1	51.0	82.4	36.40	5	PFZ/HFZ	DFZ/IFZ	SMC
SMLJ54A	SMLJ54CA	60.0	66.3	1	54.0	87.1	34.40	5	RGE/HGE	DGE/IGE	SMC
SMLJ58A	SMLJ58CA	64.4	71.2	1	58.0	93.6	32.00	5	PGG/HGG	DGG/IGG	SMC
SMLJ60A	SMLJ60CA	66.7	73.7	1	60.0	96.8	31.00	5	PGK/HGK	DGK/IGK	SMC
SMLJ64A	SMLJ64CA	71.1	78.6	1	64.0	103.0	29.20	5	PGM/HGM	DGM/IGM	SMC
SMLJ70A	SMLJ70CA	77.8	86.0	1	70.0	113.0	26.60	5	PGP/HGP	DGP/IGP	SMC
SMLJ75A	SMLJ75CA	83.3	92.1	1	75.0	121.0	24.80	5	PGR/HGR	DGR/IGR	SMC
SMLJ78A	SMLJ78CA	86.7	95.8	1	78.0	126.0	22.80	5	PGT/HGT	DGT/IGT	SMC
SMLJ85A	SMLJ85CA	94.4	104.0	1	85.0	137.0	20.80	5	PGV/HGV	DGV/IGV	SMC
SMLJ90A	SMLJ90CA	100.0	111.0	1	90.0	146.0	20.60	5	PGX/HGX	DGX/IGX	SMC
SMLJ100A	SMLJ100CA	111.0	123.0	1	100.0	162.0	18.60	5	PGZ/HGZ	DGZ/IGZ	SMC
SMLJ110A	SMLJ110CA	122.0	135.0	1	110.0	177.0	16.80	5	PHE/HHE	DHE/IHE	SMC
SMLJ120A	SMLJ120CA	133.0	147.0	1	120.0	193.0	15.60	5	PHG/HHG	DHG/IHG	SMC
SMLJ130A	SMLJ130CA	144.0	159.0	1	130.0	209.0	14.40	5	PHK/HHK	DHK/IHK	SMC
SMLJ150A	SMLJ150CA	167.0	185.0	1	150.0	243.0	12.40	5	PHM/HHM	DHM/IHM	SMC
SMLJ160A	SMLJ160CA	178.0	197.0	1	160.0	259.0	11.60	5	PHP/HHP	DHP/IHP	SMC
SMLJ170A	SMLJ170CA	189.0	209.0	1	170.0	275.0	11.00	5	PHR/HHR	DHR/IHR	SMC
SMLJ180A	SMLJ180CA	200.0	220.0	5	180.0	291.6	10.29	2	PHT	DHT	SMC
SMLJ190A	SMLJ190CA	211.0	232.0	5	190.0	307.8	9.75	2	PHV	DHV	SMC
SMLJ200A	SMLJ200CA	224.0	247.0	5	200.0	324.0	9.26	2	PHW	DHW	SMC
SMLJ220A	SMLJ220CA	246.0	272.0	5	220.0	356.0	8.43	2	PHX	DHX	SMC
SMLJ250A	SMLJ250CA	279.0	309.0	5	250.0	405.0	7.41	2	PHZ	DHZ	SMC
SMLJ300A	SMLJ300CA	335.0	371.0	5	300.0	486.0	6.17	2	PJE	DJE	SMC
SMLJ350A	SMLJ350CA	397.0	432.0	5	350.0	567.0	5.29	2	PJG	DJG	SMC
SMLJ400A	SMLJ400CA	447.0	494.0	5	400.0	648.0	4.63	2	PJK	DJK	SMC
SMLJ440A	SMLJ440CA	492.0	543.0	5	440.0	713.0	4.21	2	PJM	DJM	SMC
SMLJ10AHE3		11.1	12.3	1	10.0	17.0	176.40	5	PDX/HDX	-	SMC
SMLJ11AHE3		12.2	13.5	1	11.0	18.2	164.80	5	PDZ/HDZ	-	SMC
SMLJ12AHE3		13.3	14.7	1	12.0	19.9	150.60	5	PEE/HEE	-	SMC
SMLJ13AHE3		14.4	15.9	1	13.0	21.5	139.40	5	PEG/HEG	-	SMC



# TRANSIENT VOLTAGE SUPPRESSORS

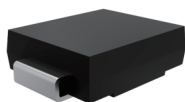
Part Number		Breakdown Voltage V <sub>BR</sub> @ I <sub>T</sub> (Volt)		Test Current I <sub>T</sub>	Reverse Standoff Voltage V <sub>WM</sub>	Maximum Clamping Voltage @ I <sub>PP</sub>	Peak Pulse Current I <sub>PP</sub>	Maximum Reverse Leakage @ V <sub>WM</sub> I <sub>R</sub>	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	µA	Uni	Bi	
SMLJ14AHE3		15.6	17.2	1	14.0	23.2	129.40	5	PEK/HEK	-	SMC
SMLJ15AHE3		16.7	18.5	1	15.0	24.4	123.00	5	PEM/HEM	-	SMC
SMLJ16AHE3		17.8	19.7	1	16.0	26.0	115.40	5	PEP/HEP	-	SMC
SMLJ17AHE3		18.9	20.9	1	17.0	27.6	106.60	5	PER/HER	-	SMC
SMLJ18AHE3		20.0	22.1	1	18.0	29.2	102.80	5	PET/HET	-	SMC
SMLJ20AHE3		22.2	24.5	1	20.0	32.4	92.60	5	PEV/HEV	-	SMC
SMLJ22AHE3		24.4	26.9	1	22.0	35.5	84.40	5	PEX/HEX	-	SMC
SMLJ24AHE3		26.7	29.5	1	24.0	38.9	77.20	5	PEZ/HEZ	-	SMC
SMLJ26AHE3		28.9	31.9	1	26.0	42.1	71.20	5	PFE/HFE	-	SMC
SMLJ28AHE3		31.1	34.4	1	28.0	45.4	66.00	5	PFG/HFG	-	SMC
SMLJ30AHE3		33.3	36.8	1	30.0	48.4	62.00	5	PFK/HFK	-	SMC
SMLJ33AHE3		36.7	40.6	1	33.0	53.3	56.20	5	PFM/HFM	-	SMC
SMLJ36AHE3		40.0	44.2	1	36.0	58.1	51.60	5	PPF/HFP	-	SMC
SMLJ40AHE3		44.4	49.1	1	40.0	64.5	46.40	5	PPR/HFR	-	SMC
SMLJ43AHE3		47.8	52.8	1	43.0	69.4	43.20	5	PFT/HFT	5BEN	SMC
5.0SMLJ11A	5.0SMLJ11CA	12.2	13.5	10	11.0	18.2	275.00	800	5PEN	5BEP	SMC
5.0SMLJ12A	5.0SMLJ12CA	13.3	14.7	10	12.0	19.9	252.00	800	5PEP	5BEQ	SMC
5.0SMLJ13A	5.0SMLJ13CA	14.4	15.9	10	13.0	21.5	233.00	500	5PEQ	5BER	SMC
5.0SMLJ14A	5.0SMLJ14CA	15.6	17.2	10	14.0	23.2	216.00	200	5PER	5BES	SMC
5.0SMLJ15A	5.0SMLJ15CA	16.7	18.5	1	15.0	24.4	205.00	100	5PES	5BET	SMC
5.0SMLJ16A	5.0SMLJ16CA	17.8	19.7	1	16.0	26.0	193.00	50	5PET	5BEU	SMC
5.0SMLJ17A	5.0SMLJ17CA	18.9	20.9	1	17.0	27.6	181.00	20	5PEU	5BEV	SMC
5.0SMLJ18A	5.0SMLJ18CA	20.0	22.1	1	18.0	29.2	172.00	10	5PEV	5BEW	SMC
5.0SMLJ20A	5.0SMLJ20CA	22.2	24.5	1	20.0	32.4	155.00	5	5PEW	5BEX	SMC
5.0SMLJ22A	5.0SMLJ22CA	24.4	26.9	1	22.0	35.5	141.00	5	5PEX	5BEZ	SMC
5.0SMLJ24A	5.0SMLJ24CA	26.7	29.5	1	24.0	38.9	129.00	5	5PEZ	5BFE	SMC
5.0SMLJ26A	5.0SMLJ26CA	28.9	31.9	1	26.0	42.1	119.00	5	5PFE	5BFG	SMC
5.0SMLJ28A	5.0SMLJ28CA	31.1	34.4	1	28.0	45.4	110.00	5	5PFG	5BFK	SMC
5.0SMLJ30A	5.0SMLJ30CA	33.3	36.8	1	30.0	48.4	103.00	5	5PFK	5BFM	SMC
5.0SMLJ33A	5.0SMLJ33CA	36.7	40.6	1	33.0	53.3	93.90	5	5PFM	5BFP	SMC
5.0SMLJ36A	5.0SMLJ36CA	40.0	44.2	1	36.0	58.1	86.10	5	5PPF	5BFR	SMC
5.0SMLJ40A	5.0SMLJ40CA	44.4	49.1	1	40.0	64.5	77.60	5	5PPR	5BFT	SMC
5.0SMLJ43A	5.0SMLJ43CA	47.8	52.8	1	43.0	69.4	72.10	5	5PFT	5BFV	SMC
5.0SMLJ45A	5.0SMLJ45CA	50.0	55.3	1	45.0	72.7	68.80	5	5PFV	5BFX	SMC
5.0SMLJ48A	5.0SMLJ48CA	53.3	58.9	1	48.0	77.4	64.70	5	5PFX	5BFZ	SMC
5.0SMLJ51A	5.0SMLJ51CA	56.7	62.7	1	51.0	82.4	60.70	5	5PFZ	5BGE	SMC
5.0SMLJ54A	5.0SMLJ54CA	60.0	66.3	1	54.0	87.1	57.50	5	5RGE	5BGG	SMC
5.0SMLJ58A	5.0SMLJ58CA	64.4	71.2	1	58.0	93.6	53.50	5	5PGG	5BGG	SMC
5.0SMLJ60A	5.0SMLJ60CA	66.7	73.7	1	60.0	96.8	51.70	5	5PGK	5BGM	SMC
5.0SMLJ64A	5.0SMLJ64CA	71.1	78.6	1	64.0	103.0	48.60	5	5PGM	5BGP	SMC
5.0SMLJ70A	5.0SMLJ70CA	77.8	86.0	1	70.0	113.0	44.30	5	5PGP	5BGR	SMC
5.0SMLJ75A	5.0SMLJ75CA	83.3	92.1	1	75.0	121.0	41.40	5	5PGR	5BGT	SMC
5.0SMLJ78A	5.0SMLJ78CA	86.7	95.8	1	78.0	126.0	39.70	5	5PGT	5BGV	SMC
5.0SMLJ85A	5.0SMLJ85CA	94.4	104.0	1	85.0	137.0	36.50	5	5PGV	5BGX	SMC
5.0SMLJ90A	5.0SMLJ90CA	100.0	111.0	1	90.0	146.0	34.30	5	5PGX	5BGZ	SMC
5.0SMLJ100A	5.0SMLJ100CA	111.0	123.0	1	100.0	162.0	30.90	5	5PGZ	5BHE	SMC
5.0SMLJ110A	5.0SMLJ110CA	122.0	135.0	1	110.0	177.0	28.30	5	5PHE	5BHG	SMC
5.0SMLJ120A	5.0SMLJ120CA	133.0	147.0	1	120.0	193.0	26.00	5	5PHG	5BHK	SMC
5.0SMLJ130A	5.0SMLJ130CA	144.0	159.0	1	130.0	209.0	24.00	5	5PHK	5BHM	SMC
5.0SMLJ150A	5.0SMLJ150CA	167.0	185.0	1	150.0	243.0	20.60	5	5PHM	5BHP	SMC
5.0SMLJ160A	5.0SMLJ160CA	178.0	197.0	1	160.0	259.0	19.30	5	5PHP	5BHR	SMC
5.0SMLJ170A	5.0SMLJ170CA	189.0	209.0	1	170.0	275.0	18.20	5	5PHR		SMC



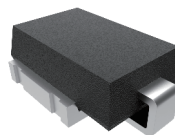
## TRANSIENT VOLTAGE SUPPRESSORS

Part Number		Breakdown Voltage $V_{BR}$ @ $I_T$ (Volt)		Test Current $I_T$	Reverse Standoff Voltage $V_{WM}$	Maximum Clamping Voltage @ $I_{PP}$	Peak Pulse Current $I_{PP}$	Maximum Reverse Leakage @ $V_{WM}$ $I_B$	Marking Code		Package
Uni-Polar	Bi-Polar	Min	Max	mA	V	V	A	$\mu$ A	Uni	Bi	
5.0SMLJ180A		200.0	220.0	1	180.0	292.0	17.10	5	5PHT		SMC
5.0SMLJ190A		211.0	258.0	1	190.0	308.0	16.20	5	5PHV		SMC
5.0SMLJ200A		224.0	247.0	1	200.0	324.0	15.40	5	5PHW		SMC
5.0SMLJ220A		246.0	272.0	1	220.0	356.0	14.00	5	5PHX		SMC
5.0SMLJ250A		279.0	309.0	1	250.0	405.0	12.30	5	5PHZ		SMC
5.0SMLJ300A		335.0	371.0	1	300.0	486.0	10.30	5	5PJE		SMC
5.0SMLJ350A		391.0	432.0	1	350.0	567.0	8.80	5	5PJK		SMC
5.0SMLJ400A		447.0	494.0	1	400.0	648.0	7.70	5	5PJK		SMC

Part Number	Breakdown Voltage $V_{BR}$ @ $I_T$ (Volt)		Test Current $I_T$	Reverse Standoff Voltage $V_{WM}$	Maximum Clamping Voltage $V_C$ @ $I_{PP}$	Peak Pulse Current $I_{PP}$	Maximum Reverse Leakage $I_R$ @ $V_{WM}$	Package
	Min	Max						
SM5S14A	15.6	17.2	5.0	14.0	23.2	155.0	10.0	DO-218AB
SM5S15A	16.7	18.5	5.0	15.0	24.4	148.0	10.0	DO-218AB
SM5S16A	17.8	19.7	5.0	16.0	26.0	138.0	10.0	DO-218AB
SM5S17A	18.9	20.9	5.0	17.0	27.6	130.0	10.0	DO-218AB
SM5S18A	20.0	22.1	5.0	18.0	29.2	123.0	10.0	DO-218AB
SM5S20A	22.2	24.5	5.0	20.0	32.4	111.0	10.0	DO-218AB
SM5S22A	24.4	26.9	5.0	22.0	35.5	101.0	10.0	DO-218AB
SM5S24A	26.7	29.5	5.0	24.0	38.9	93.0	10.0	DO-218AB
SM5S26A	28.9	31.9	5.0	26.0	42.1	86.0	10.0	DO-218AB
SM5S28A	31.1	34.4	5.0	28.0	45.4	79.0	10.0	DO-218AB
SM5S30A	33.3	36.8	5.0	30.0	48.4	74.0	10.0	DO-218AB
SM5S33A	36.7	40.6	5.0	33.0	53.3	68.0	10.0	DO-218AB
SM5S36A	40.0	44.2	5.0	36.0	58.1	62.0	10.0	DO-218AB
SM8S14A	15.6	17.2	5.0	14.0	23.2	284.0	10.0	DO-218AB
SM8S15A	16.7	18.5	5.0	15.0	24.4	270.0	10.0	DO-218AB
SM8S16A	17.8	19.7	5.0	16.0	26.0	254.0	10.0	DO-218AB
SM8S17A	18.9	20.9	5.0	17.0	27.6	239.0	10.0	DO-218AB
SM8S18A	20.0	22.1	5.0	18.0	29.2	226.0	10.0	DO-218AB
SM8S20A	22.2	24.5	5.0	20.0	32.4	204.0	10.0	DO-218AB
SM8S22A	24.4	26.9	5.0	22.0	35.5	186.0	10.0	DO-218AB
SM8S24A	26.7	29.5	5.0	24.0	38.9	170.0	10.0	DO-218AB
SM8S26A	28.9	31.9	5.0	26.0	42.1	157.0	10.0	DO-218AB
SM8S28A	31.1	34.4	5.0	28.0	45.4	145.0	10.0	DO-218AB
SM8S30A	33.3	36.8	5.0	30.0	48.4	136.0	10.0	DO-218AB
SM8S33A	36.7	40.6	5.0	33.0	53.3	124.0	10.0	DO-218AB
SM8S36A	40.0	44.2	5.0	36.0	58.1	114.0	10.0	DO-218AB
SM8S40A	44.4	49.1	5.0	40.0	64.5	102.0	10.0	DO-218AB
SM8S43A	47.8	52.8	5.0	43.0	69.4	95.1	10.0	DO-218AB



SMC



DO-218AB

## VOLTAGE REGULATORS

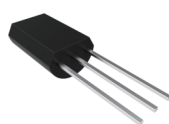
Part Number	Maximum Output Current	Output Voltage @ T <sub>J</sub> = 25 °C		Input Voltage		Line Regulation @ Input Voltage			Load Regulation @ V <sub>I</sub>	Package	
		I <sub>o</sub>	Min.	Max.	Min.	Max.	Max.	Min.	Max.		Max.
		mA	V <sub>o</sub> (V)	V <sub>o</sub> (V)	V <sub>i</sub> (V)	V <sub>i</sub> (V)	Δ V <sub>o</sub> (mV)	V <sub>i</sub> (V)	V <sub>i</sub> (V)		Δ V <sub>o</sub> (mV)
TL431AU	100	-	36	2.475	2.525	-	-	-	-	SOT-23	
TL431BU	100	-	36	2.4875	2.5125	-	-	-	-	SOT-23	
TL431K	100	-	36	2.482	2.508	-	-	-	-	SOT-23	
TL431V	100	-	36	2.45	2.55	-	-	-	-	SOT-23	
MC78L05F	100	4.8	5.2	7	30	150	7	20	60	SOT-89	
MC78L06F	100	5.75	6.25	8.5	30	175	8.5	20	80	SOT-89	
MC78L08F	100	7.7	8.3	10.5	30	175	10.5	23	80	SOT-89	
MC78L33F	100	3.168	3.432	7	20	150	5.8	20	60	SOT-89	
MC79L05F	100	-5.2	-4.8	-30	-7	150	-20	-7	60	SOT-89	
MC79L06F	100	-6.25	-5.75	-30	8	175	-20	8	80	SOT-89	
MC79L08F	100	-8.3	-7.7	-30	10.5	175	23	10.5	80	SOT-89	
TL431X	100	-	36	2.44	2.55	-	-	-	-	SOT-89	
MC78L05BP	100	4.8	5.2	7	30	150	7	20	60	TO-92	
MC78L06BP	100	5.75	6.25	8	30	175	8.5	20	80	TO-92	
MC78L08BP	100	7.7	8.3	10.5	30	175	10.5	23	80	TO-92	
MC79L05BP	100	-5.2	-4.8	-30	-7	150	-20	-7	60	TO-92	
MC79L06BP	100	-6.25	-5.75	-30	-8	175	-20	-8.5	80	TO-92	
MC79L08BP	100	-8.3	-7.7	-30	-10.5	200	-23	-10.5	100	TO-92	
TL431ALP	100	-	-	2.475	2.525	-	-	-	-	TO-92	
TL431BLP	100	-	-	2.4875	2.5125	-	-	-	-	TO-92	
TL431LP	100	-	-	2.44	2.55	-	-	-	-	TO-92	
TL431KLP	100	-	-	2.482	2.508	-	-	-	-	TO-92	
MC78M05CDT	500	4.8	5.2	7	35	100	7	25	100	DPAK	
MC78M06CDT	500	5.75	6.25	8	35	100	8	25	120	DPAK	
MC78M08CDT	500	7.7	8.3	10.5	35	100	11	25	160	DPAK	
MC78M12CDT	500	11.5	12.5	14.5	27	100	14.5	30	240	DPAK	
MC78D05CDT	1000	4.8	5.2	8	20	100	7.5	20	100	DPAK	
LM317MDT	1500	1.2	37	3	40	-	3	40	70	DPAK	
LM317DT	1500	1.2	37	3	40	-	3	40	70	D <sup>2</sup> -PACK	
LM317T	1500	1.2	37	3	40	-	3	40	70	TO-220	
MC7805CT	1500	4.8	5.2	7	35	100	7	25	100	TO-220	
MC7806CT	1500	5.75	6.25	8	35	120	8	25	120	TO-220	
MC7808CT	1500	7.7	8.3	10.5	35	160	10.5	25	160	TO-220	
MC7905CT	1500	-5.2	-4.8	-35	-7	100	-25	-7	100	TO-220	
MC7906CT	1500	-6.25	-5.75	-35	-8	120	-25	-8	120	TO-220	
MC7908CT	1500	-8.3	-7.7	-35	-10.5	160	-25	-10.5	160	TO-220	
MC7805FCT	1500	4.8	5.2	7	20	100	7	25	100	TO-220F	



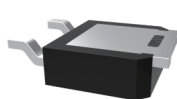
SOT-23



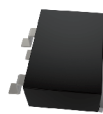
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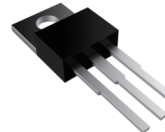
TO-92



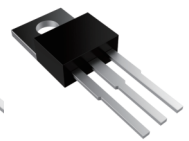
DPAK



D<sup>2</sup>-PACK



TO-220



TO-220F

## SMALL SIGNAL & POWER TRANSISTORS

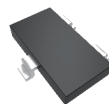
Part Number	V <sub>CEO</sub> (V)	I <sub>c</sub> (A)	hFE @ V <sub>CE</sub> & I <sub>c</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>c</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>c</sub>					Polarity	Package	Marking Code
			hFE	hFE	V <sub>CE</sub>	I <sub>c</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>c</sub>	I <sub>B</sub>	f <sub>T Min.</sub>	TPY.	f <sub>T Max.</sub>	V <sub>CE</sub>	I <sub>c</sub>			
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)			
2SA1036-P	-32	-0.5	82	180	-3	-10	-0.40	-	-100	-10	-	200	-	-5	-20	PNP	SOT-23	HP
2SA1036-Q	-32	-0.5	120	270	-3	-10	-0.40	-	-100	-10	-	200	-	-5	-20	PNP	SOT-23	HQ
2SA1036-R	-32	-0.5	180	390	-3	-10	-0.40	-	-100	-10	-	200	-	-5	-20	PNP	SOT-23	HR
2SA1037-Q	-50	-0.15	120	270	-6	-1	-0.50	-	-5	-5	120	-	-	-12	-2	PNP	SOT-23	FQ
2SA1037-R	-50	-0.15	180	390	-6	-1	-0.50	-	-5	-5	120	-	-	-12	-2	PNP	SOT-23	FR
2SA1037-S	-50	-0.15	270	560	-6	-1	-0.50	-	-5	-5	120	-	-	-12	-2	PNP	SOT-23	FS
2SA1162-O	50	0.15	70	140	-6	-2	0.30	-	-100	-10	80	-	-	-10	-1	PNP	SOT-23	SO
2SA1162-Y	50	0.15	120	240	-6	-2	0.30	-	-100	-10	80	-	-	-10	-1	PNP	SOT-23	SY
2SA1162-GR	50	0.15	200	400	-6	-2	0.30	-	-100	-10	80	-	-	-10	-1	PNP	SOT-23	SG
2SA1298-O	-30	-0.8	100	200	-1	-100	-0.40	-0.80	500	20	-	250	-	-5	-10	PNP	SOT-23	IO
2SA1298-Y	-30	-0.8	160	320	-1	-100	-0.40	-0.80	500	20	-	250	-	-5	-10	PNP	SOT-23	IY
2SA1464-P	-40	-0.5	75	150	-2	-150	-0.45	-1.00	-500	-50	150	-	-	-10	20	PNP	SOT-23	Y12
2SA1464-Q	-40	-0.5	100	200	-2	-150	-0.45	-1.00	-500	-50	150	-	-	-10	20	PNP	SOT-23	Y13
2SA1464-R	-40	-0.5	150	300	-2	-150	-0.45	-1.00	-500	-50	150	-	-	-10	20	PNP	SOT-23	Y14
2SA812-M4	-50	-0.1	90	180	-6	-1	-0.30	-0.68	-100	-10	180	-	-	-6	-10	PNP	SOT-23	M4
2SA812-M5	-50	-0.1	135	270	-6	-1	-0.30	-0.68	-100	-10	180	-	-	-6	-10	PNP	SOT-23	M5
2SA812-M6	-50	-0.1	200	400	-6	-1	-0.30	-0.68	-100	-10	180	-	-	-6	-10	PNP	SOT-23	M6
2SA812-M7	-50	-0.1	300	600	-6	-1	-0.30	-0.68	-100	-10	180	-	-	-6	-10	PNP	SOT-23	M7
2SB1197-P	-32	-0.8	82	180	-3	-100	-0.50	-	-500	-50	50	-	-	-5	-50	PNP	SOT-23	AHP
2SB1197-Q	-32	-0.8	120	270	-3	-100	-0.50	-	-500	-50	50	-	-	-5	-50	PNP	SOT-23	AHQ
2SB1197-R	-32	-0.8	180	390	-3	-100	-0.50	-	-500	-50	50	-	-	-5	-50	PNP	SOT-23	AHR
2SC1623-L5	50	0.1	135	270	6	1	0.30	1.00	100	10	-	250	-	6	10	NPN	SOT-23	L5
2SC1623-L6	50	0.1	200	400	6	1	0.30	1.00	100	10	-	250	-	6	10	NPN	SOT-23	L6
2SC1623-L7	50	0.1	300	600	6	1	0.30	1.00	100	10	-	250	-	6	10	NPN	SOT-23	L7
2SC2411-P	32	0.5	82	180	3	100	0.40	-	500	50	-	250	-	5	20	NPN	SOT-23	CP
2SC2411-Q	32	0.5	120	270	3	100	0.40	-	500	50	-	250	-	5	20	NPN	SOT-23	CQ
2SC2411-R	32	0.5	180	390	3	100	0.40	-	500	50	-	250	-	5	20	NPN	SOT-23	CR
2SC2412-Q	50	0.15	120	270	6	1	0.40	-	50	5	150	-	-	5	20	NPN	SOT-23	BQ
2SC2412-R	50	0.15	180	390	6	1	0.40	-	50	5	150	-	-	5	20	NPN	SOT-23	BR
2SC2412-S	50	0.15	270	560	6	1	0.40	-	50	5	150	-	-	5	20	NPN	SOT-23	BS
2SC2712-O	50	0.15	70	140	6	2	0.10	-	100	10	80	-	-	10	1	NPN	SOT-23	LO
2SC2712-Y	50	0.15	120	240	6	2	0.10	-	100	10	80	-	-	10	1	NPN	SOT-23	LY
2SC2712-GR	50	0.15	200	400	6	2	0.10	-	100	10	80	-	-	10	1	NPN	SOT-23	LG
2SC2712-BL	50	0.15	350	700	6	2	0.10	-	100	10	80	-	-	10	1	NPN	SOT-23	LL
2SC2859-O	30	0.5	70	140	1	100	0.25	-	100	10	-	300	-	6	20	NPN	SOT-23	WO
2SC2859-Y	30	0.5	120	240	1	100	0.25	-	100	10	-	300	-	6	20	NPN	SOT-23	WY
2SC2859-GR	30	0.5	200	400	1	100	0.25	-	100	10	-	300	-	6	20	NPN	SOT-23	WG
2SC3052-E	50	0.2	150	300	6	1	0.30	1.00	100	10	180	-	-	6	10	NPN	SOT-23	LE
2SC3052-F	50	0.2	250	500	6	1	0.30	1.00	100	10	180	-	-	6	10	NPN	SOT-23	LF
2SC3052-G	50	0.2	400	800	6	1	0.30	1.00	100	10	180	-	-	6	10	NPN	SOT-23	LG
2SC3265-O	30	0.8	100	200	1	100	0.50	0.80	500	20	-	120	-	5	10	NPN	SOT-23	EO
2SC3265-Y	30	0.8	160	320	1	100	0.50	0.80	500	20	-	120	-	5	10	NPN	SOT-23	EY
BC807-16	45	0.5	100	250	1	100	0.70	1.20	500	50	100	-	-	5	10	PNP	SOT-23	5A
BC807-25	45	0.5	160	400	1	100	0.70	1.20	500	50	100	-	-	5	10	PNP	SOT-23	5B
BC807-40	45	0.5	250	600	1	100	0.70	1.20	500	50	100	-	-	5	10	PNP	SOT-23	5C
BC808-16	25	0.8	100	250	1	100	-0.70	-1.20	-500	-50	100	-	-	-5	-10	PNP	SOT-23	5E
BC808-25	25	0.8	160	400	1	100	-0.70	-1.20	-500	-50	100	-	-	-5	-10	PNP	SOT-23	5F
BC808-40	25	0.8	250	630	1	100	-0.70	-1.20	-500	-50	100	-	-	-5	-10	PNP	SOT-23	5G
BC817-16	45	0.5	100	250	1	100	0.70	1.20	500	50	100	-	-	5	10	PNP	SOT-23	6A



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## SMALL SIGNAL & POWER TRANSISTORS

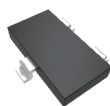
Part Number	V <sub>CEO</sub> (V)	I <sub>c</sub> (A)	h <sub>FE</sub> @ V <sub>CE</sub> & I <sub>c</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>c</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>c</sub>					Polarity	Package	Marking Code
			h <sub>FE</sub>	h <sub>FE</sub>	V <sub>CE</sub>	I <sub>c</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>c</sub>	I <sub>B</sub>	f <sub>T Min.</sub>	TPY.	f <sub>T Max.</sub>	V <sub>CE</sub>	I <sub>c</sub>			
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)			
BC817-25	45	0.5	160	400	1	100	0.70	1.20	500	50	100	-	-	5	10	NPN	SOT-23	6B
BC817-40	45	0.5	250	600	1	100	0.70	1.20	500	50	100	-	-	5	10	NPN	SOT-23	6C
BC818-16	25	0.5	100	250	1	100	0.70	1.20	500	50	170	-	-	5	50	NPN	SOT-23	6E
BC818-25	25	0.5	160	400	1	100	0.70	1.20	500	50	170	-	-	5	50	NPN	SOT-23	6F
BC818-40	25	0.5	250	630	1	100	0.70	1.20	500	50	170	-	-	5	50	NPN	SOT-23	6G
BC846A	65	0.1	110	220	5	2	0.50	1.10	100	5	100	-	-	5	10	NPN	SOT-23	1A/46A
BC846B	65	0.1	200	450	5	2	0.50	1.10	100	5	100	-	-	5	10	NPN	SOT-23	1B/46B
BC847A	45	0.1	110	220	5	2	0.50	1.10	100	5	100	-	-	5	10	NPN	SOT-23	1E/47A
BC847B	45	0.1	200	450	5	2	0.50	1.10	100	5	100	-	-	5	10	NPN	SOT-23	1F/47B
BC847C	45	0.1	420	800	5	2	0.50	1.10	100	5	100	-	-	5	10	NPN	SOT-23	1G/47C
BC848A	30	0.1	110	220	5	2	0.50	1.10	100	5	100	-	-	5	10	NPN	SOT-23	1J/48A
BC848B	30	0.1	200	450	5	2	0.50	1.10	100	5	100	-	-	5	10	NPN	SOT-23	1K/48B
BC848C	30	0.1	420	800	5	2	0.50	1.10	100	5	100	-	-	5	10	NPN	SOT-23	1L/48C
BC856A	-65	-0.1	125	250	-5	-2	-0.08	-0.70	-10	-0.5	100	-	-	-5	-10	PNP	SOT-23	3A
BC856B	-65	-0.1	220	475	-5	-2	-0.08	-0.70	-10	-0.5	100	-	-	-5	-10	PNP	SOT-23	3B
BC857A	-45	-0.1	125	250	-5	-2	-0.08	-0.70	-10	-0.5	100	-	-	-5	-10	PNP	SOT-23	3E
BC857B	-45	-0.1	220	475	-5	-2	-0.08	-0.70	-10	-0.5	100	-	-	-5	-10	PNP	SOT-23	3F
BC857C	-45	-0.1	420	800	-5	-2	-0.08	-0.70	-10	-0.5	100	-	-	-5	-10	PNP	SOT-23	3G
BC858A	-30	-0.1	125	250	-5	-2	-0.08	-0.70	-10	-0.5	100	-	-	-5	-10	PNP	SOT-23	3J
BC858B	-30	-0.1	220	475	-5	-2	-0.08	-0.70	-10	-0.5	100	-	-	-5	-10	PNP	SOT-23	3K
BC858C	-30	-0.1	420	800	-5	-2	-0.08	-0.70	-10	-0.5	100	-	-	-5	-10	PNP	SOT-23	3L
BCW66F	45	0.8	100	250	1	100	0.70	2.00	500	50	100	-	-	10	20	NPN	SOT-23	EF
BCW66G	45	0.8	160	400	1	100	0.70	2.00	500	50	-	100	-	10	20	NPN	SOT-23	EG
BCW66H	45	0.8	250	630	1	100	0.70	2.00	500	50	-	100	-	10	20	NPN	SOT-23	EH
BCW68G	45	0.8	160	400	1	100	0.30	1.25	100	10	-	200	-	5	50	PNP	SOT-23	DG
BCW68H	45	0.8	250	630	1	100	0.30	1.25	100	10	-	200	-	10	20	PNP	SOT-23	DH
BCV47	60	0.5	2000	-	1	0.1	1.00	1.50	100	0.1	-	170	-	5	50	NPN	SOT-23	FG
BCX70G	45	0.2	120	220	5	2	0.05	0.60	10	0.25	100	-	-	5	10	NPN	SOT-23	AG
BCX70H	45	0.2	180	310	5	2	0.05	0.60	10	0.25	100	-	-	5	10	NPN	SOT-23	AH
BCX70J	45	0.2	250	460	5	2	0.05	0.60	10	0.25	100	-	-	5	10	NPN	SOT-23	AJ
BCX70K	45	0.2	380	630	5	2	0.05	0.60	10	0.25	100	-	-	5	10	NPN	SOT-23	AK
FMMT449	30	1	100	300	2	500	0.50	1.25	1000	100	150	-	-	10	50	NPN	SOT-23	449
FMMT491	60	1	100	300	5	500	0.50	1.10	1000	100	150	-	-	10	50	NPN	SOT-23	491
FMMT493	100	1	100	300	10	250	0.30	1.15	500	50	150	-	-	10	50	NPN	SOT-23	493
FMMT591	60	1	100	300	5	500	0.60	1.20	1000	100	150	-	-	10	50	PNP	SOT-23	591
FMMT593	100	1	100	300	5	500	0.20	1.10	250	25	150	-	-	10	50	PNP	SOT-23	593
FMMT720	-40	-1.5	300	-	-2	-100	-0.33	-1.00	-1500	-100	150	-	-	-10	-50	PNP	SOT-23	720
KTA1504-GR	-50	-0.15	200	400	-6	-2	-0.30	-	-100	-10	80	-	-	-10	-1	PNP	SOT-23	ASG
KTA1504-O	-50	-0.15	70	140	-6	-2	-0.30	-	-100	-10	80	-	-	-10	-1	PNP	SOT-23	ASO
KTA1504-Y	-50	-0.15	120	240	-6	-2	-0.30	-	-100	-10	80	-	-	-10	-1	PNP	SOT-23	ASY
KTC3875-Y	50	0.15	120	240	6	2	0.25	1.00	100	10	80	-	-	10	1	NPN	SOT-23	ALY
KTC3875-GR	50	0.15	200	400	6	2	0.25	1.00	100	10	80	-	-	10	1	NPN	SOT-23	ALG
KTC3876-Y	30	0.5	120	240	1	100	0.25	1.00	100	10	-	300	-	6	20	NPN	SOT-23	WY
KTC3876-GR	30	0.5	200	400	1	100	0.25	1.00	100	10	-	300	-	6	20	NPN	SOT-23	WG
MMBT1616A-Y60	1	135	270	2	100	0.30	1.20	1000	50	100.00	-	-	2	100	NPN	SOT-23	16A	
MMBT1616A-G60	1	200	400	2	100	0.30	1.20	1000	50	100.00	-	-	2	100	NPN	SOT-23	16A	
MMBT1616A-L60	1	300	600	2	100	0.30	1.20	1000	50	100.00	-	-	2	100	NPN	SOT-23	16A	
MMBT1015-H	50	0.15	200	400	-6	-2	-0.10	-1.10	-100	-10	80	-	-	-10	-1	PNP	SOT-23	BA
MMBT1015-L	50	0.15	130	200	-6	-2	-0.10	-1.10	-100	-10	80	-	-	-10	-1	PNP	SOT-23	BA



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Part Number	V <sub>CEO</sub> (V)	I <sub>c</sub> (A)	h <sub>FE</sub> @ V <sub>CE</sub> & I <sub>c</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>c</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>c</sub>					Polarity	Package	Marking Code
			h <sub>FE</sub>	h <sub>FE</sub>	V <sub>CE</sub>	I <sub>c</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>c</sub>	I <sub>B</sub>	f <sub>T Min.</sub>	TPY.	f <sub>T Max.</sub>	V <sub>CE</sub>	I <sub>c</sub>			
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)			
MMBT1815-H	50	0.15	200	400	6	2	0.25	1.00	100	10	80	-	-	-10	-1	NPN	SOT-23	HF
MMBT1815-L	50	0.15	130	200	6	2	0.25	1.00	100	10	80	-	-	-10	-1	NPN	SOT-23	HF
MMBT2222A	40	0.6	100	300	10	150	0.30	1.20	150	15	300	-	-	20	20	NPN	SOT-23	1P
MMBT2907A	60	0.6	100	300	10	150	0.40	1.30	150	15	200	-	-	20	50	PNP	SOT-23	2F
MMBT3904	40	0.2	100	300	1	10	0.20	0.85	10	1	300	-	-	20	10	NPN	SOT-23	1AM
MMBT3906	40	0.2	100	300	-1	-10	-0.25	-0.85	-10	-1	250	-	-	-20	-10	PNP	SOT-23	2A
MMBT4401	40	0.6	100	300	1	150	0.40	0.95	150	15	250	-	-	10	20	NPN	SOT-23	2X/M4A
MMBT4403	-40	-0.6	100	300	-2	-150	-0.40	-0.95	-150	-15	200	-	-	-10	-20	PNP	SOT-23	2T/M3A
MMBT5343-G	50	0.15	200	400	6	2000	0.25	-	100	10	80	-	-	10	1	NPN	SOT-23	5343
MMBT5343-L	50	0.15	300	700	6	2000	0.25	-	100	10	80	-	-	10	1	NPN	SOT-23	5343
MMBT5343-O	50	0.15	70	140	6	2000	0.25	-	100	10	80	-	-	10	1	NPN	SOT-23	5343
MMBT5343-Y	50	0.15	120	240	6	2000	0.25	-	100	10	80	-	-	10	1	NPN	SOT-23	5343
MMBT5401	150	0.6	100	200	5	10	0.50	1.00	50	5	100	-	-	5	10	PNP	SOT-23	2L
MMBT5550	140	0.6	60	250	5	10	0.15	1.00	10	1	-	-	-	-	-	NPN	SOT-23	M1F
MMBT5551	160	0.6	100	300	5	10	0.50	1.00	50	5	100	-	-	5	10	NPN	SOT-23	G1
MMBT589	-30	-1	100	300	-2	-500	-0.40	-1.20	-1000	-100	100	-	-	-5	-100	PNP	SOT-23	589
MMBT945-H	50	0.15	200	400	6	1	0.30	1.00	100	10	150	-	-	6	10	NPN	SOT-23	CR
MMBT945-L	50	0.15	130	200	6	1	0.30	1.00	100	10	150	-	-	6	10	NPN	SOT-23	CR
MMBTA05	60	0.5	100	100	1	10	0.25	1.20	100	10	100	-	-	2	10	NPN	SOT-23	1H/K1H
MMBTA06	80	0.5	100	100	1	10	0.25	1.20	100	10	100	-	-	2	10	NPN	SOT-23	1GM/K1G
MMBTA13	30	0.3	5000	-	5	10	1.50	2.00	100	0.1	125	-	-	5	10	NPN	SOT-23	K2D
MMBTA14	30	0.3	10000	-	5	10	1.50	2.00	100	0.1	125	-	-	5	10	NPN	SOT-23	K3D
MMBTA28	80	0.5	10000	-	5	10	1.50	2.00	100	0.1	125	-	-	5	10	NPN	SOT-23	3SS
MMBTA42	300	0.3	40	-	10	10	0.50	0.90	20	2	50	-	-	20	10	NPN	SOT-23	1D
MMBTA43	200	0.5	40	-	10	10	0.50	0.90	20	2	50	50	-	20	10	NPN	SOT-23	M1E/ABX
MMBTA44	400	0.1	50	200	10	10	0.75	0.75	50	5	-	-	-	20	10	NPN	SOT-23	3D/A44
MMBTA55	60	0.5	100	-	1	10	0.25	1.20	100	10	50	-	-	1	100	PNP	SOT-23	2H/B55
MMBTA56	80	0.5	100	-	1	10	0.25	1.20	100	10	50	-	-	1	100	PNP	SOT-23	2GM/B56
MMBTA92	-300	-0.3	100	200	-10	-10	-0.20	-0.90	-20	-2	50	-	-	-20	-10	PNP	SOT-23	2D
MMBTA93	-200	-0.5	25	-	-10	-1	-0.50	-0.90	-20	-2	50	-	-	-20	-10	PNP	SOT-23	YW
MMBTA94	-400	-0.1	80	300	-10	-10	-0.20	-0.75	-10	-1	50	-	-	-20	-10	PNP	SOT-23	4D
MMBTH10	25	0.05	60	-	10	4	0.50	0.95	4	0.4	650	-	-	10	4	NPN	SOT-23	3EM
MMS8050-H	25	0.5	200	350	1	50	0.60	1.20	500	50	150	-	-	6	20	NPN	SOT-23	J3Y
MMS8050-L	25	0.5	120	200	1	50	0.60	1.20	500	50	150	-	-	6	20	NPN	SOT-23	J3Y
MMS8550-H	25	0.5	200	350	1	50	0.60	1.20	500	50	150	-	-	6	20	PNP	SOT-23	2TY
MMS8550-L	25	0.5	120	200	1	50	0.60	1.20	500	50	150	-	-	6	20	PNP	SOT-23	2TY
MMS9012-H	25	0.5	200	350	1	50	0.60	1.20	500	50	150	-	-	6	20	PNP	SOT-23	2T1
MMS9012-L	25	0.5	120	200	1	50	0.60	1.20	500	50	150	-	-	6	20	PNP	SOT-23	2T1
MMS9013-H	25	0.5	200	350	1	50	0.60	1.20	500	50	150	-	-	6	20	NPN	SOT-23	J3
MMS9013-L	25	0.5	120	200	1	50	0.60	1.20	500	50	150	-	-	6	20	NPN	SOT-23	J3
MMS9014-H	45	0.1	450	1000	5	1	0.30	1.00	100	5	150	-	-	5	10	NPN	SOT-23	J6
MMS9014-L	45	0.1	200	450	5	1	0.30	1.00	100	5	150	-	-	5	10	NPN	SOT-23	J6
MMS9015-H	45	0.1	450	1000	5	1	0.30	1.00	100	10	150	-	-	5	10	PNP	SOT-23	M6
MMS9015-L	45	0.1	200	450	5	1	0.30	1.00	100	10	100	-	-	5	10	PNP	SOT-23	M6
MMS9018-H	18	0.05	105	190	5	1	0.50	1.40	10	1	600	-	-	5	5	NPN	SOT-23	J8
MMS9018-L	18	0.05	70	105	5	1	0.50	1.40	10	1	600	-	-	5	5	NPN	SOT-23	J8
MMSS8050-H	25	1.5	200	350	1	100	0.50	1.20	800	80	100	-	-	10	50	NPN	SOT-23	Y1
MMSS8050-L	25	1.5	120	200	1	100	0.50	1.20	800	80	100	-	-	10	50	NPN	SOT-23	Y1
MMSS8550-H	25	1.5	200	350	1	100	0.50	1.20	800	80	100	-	-	10	50	PNP	SOT-23	Y2



SOT-23

## SMALL SIGNAL & POWER TRANSISTORS

Part Number	V <sub>CE0</sub> (V)	I <sub>c</sub> (A)	hFE @ V <sub>CE</sub> & I <sub>c</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>c</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>c</sub>					Polarity	Package	Marking Code
			hFE	hFE	V <sub>CE</sub>	I <sub>c</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>c</sub>	I <sub>B</sub>	f <sub>T Min.</sub>	TPY.	f <sub>T Max.</sub>	V <sub>CE</sub>	I <sub>c</sub>			
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)			
MMSS8550-L	25	1.5	120	200	1	100	0.50	1.20	800	80	100	-	-	10	50	PNP	SOT-23	Y2
MS8050-H	25	0.8	200	300	1	100	0.50	1.20	800	80	150	-	-	6	20	NPN	SOT-23	Y11
MS8050-L	25	0.8	80	200	1	100	0.50	1.20	800	80	150	-	-	6	20	NPN	SOT-23	Y11
PZT2222A	40	0.6	100	300	10	150	0.30	1.20	150	15	300	-	-	20	20	NPN	SOT-23	ZT2222A
PZT3904	40	0.2	100	300	1	10	0.20	0.85	10	1	300	-	-	20	10	NPN	SOT-23	ZT3904
PZT5401	-150	-0.6	60	300	-5	-10	-0.50	-1.00	-50	-5	100	-	300	-10	-10	PNP	SOT-223	ZT5401
PZT5551	160	0.6	80	250	5	10	0.20	1.00	50	5	100	-	300	10	10	NPN	SOT-223	ZT5551
PZT2907A	-60	0.6	100	300	-10	-150	-0.40	-1.30	-150	-15	200	-	-	-20	-50	PNP	SOT-223	ZT2907A
PZTA44	400	0.2	50	200	10	10	0.50	0.75	10	1	20	-	-	10	10	NPN	SOT-223	ZTA44
BCP51-10	-45	-1	63	160	-2	-150	-0.50	-1.00	-500	-50	100	-	-	-10	-50	PNP	SOT-223	-
BCP51-16	-45	-1	100	250	-2	-150	-0.50	-1.00	-500	-50	100	-	-	-10	-50	PNP	SOT-223	-
BCP52-16	-60	-1	63	160	-2	-150	-0.50	-1.00	-500	-50	100	-	-	-10	-50	PNP	SOT-223	-
BCP52-16	-60	-1	100	250	-2	-150	-0.50	-1.00	-500	-50	100	-	-	-10	-50	PNP	SOT-223	-
BCP53-10	-80	-1	63	160	-2	-150	-0.50	-1.00	-500	-50	100	-	-	-10	-50	PNP	SOT-223	-
BCP53-16	-80	-1	100	250	-2	-150	-0.50	-1.00	-500	-50	100	-	-	-10	-50	PNP	SOT-223	-
BCP54-10	45	1	63	160	2	150	0.50	1.00	500	50	100	-	-	2	500	NPN	SOT-223	-
BCP54-16	45	1	100	250	2	150	0.50	1.00	500	50	100	-	-	2	500	NPN	SOT-223	-
BCP55-10	60	1	63	160	2	150	0.50	1.00	500	50	100	-	-	2	500	NPN	SOT-223	-
BCP55-16	60	1	100	250	2	150	0.50	1.00	500	50	100	-	-	2	500	NPN	SOT-223	-
BCP56-10	80	1	63	160	2	150	0.50	1.00	500	50	100	-	-	2	500	NPN	SOT-223	-
BCP56-16	80	1	100	250	2	150	0.50	1.00	500	50	100	-	-	2	500	NPN	SOT-223	-
2SA1576A-Q	-50	0.15	120	270	-6	-1	-0.50	-	-50	-5	-	100	-	-12	-2	PNP	SOT-323	FQ
2SA1576A-R	-50	-0.15	180	390	-6	-1	-0.50	-	-50	-5	-	100	-	-12	-2	PNP	SOT-323	FR
2SA1576A-S	-50	-0.15	270	560	-6	-1	-0.50	-	-50	-5	-	100	-	-12	-2	PNP	SOT-323	FS
2SA1577-P	-32	-0.5	82	180	-3	-10	-0.40	-	-100	-10	-	200	-	-5	-20	PNP	SOT-323	HP
2SA1577-Q	-32	-0.5	120	270	-3	-10	-0.40	-	-100	-10	-	200	-	-5	-20	PNP	SOT-323	HQ
2SA1577-R	-32	-0.5	180	390	-3	-10	-0.40	-	-100	-10	-	200	-	-5	-20	PNP	SOT-323	HR
2SB1694	-30	-1	270	680	-2	-100	-0.38	-	-500	-25	-	320	-	-2	-100	PNP	SOT-323	-
2SC4081-A	50	0.15	120	270	6	1	0.40	-	50	5	-	180	-	12	2	NPN	SOT-323	BQ
2SC4081-B	50	0.15	180	390	6	1	0.40	-	50	5	-	180	-	12	2	NPN	SOT-323	BR
2SC4081-C	50	0.15	270	560	6	1	0.40	-	50	5	-	180	-	12	2	NPN	SOT-323	BS
2SC4097-P	32	0.5	82	180	3	10	0.40	-	100	10	-	250	-	5	20	NPN	SOT-323	CP
2SC4097-Q	32	0.5	120	270	3	10	0.40	-	100	10	-	250	-	5	20	NPN	SOT-323	CQ
2SC4097-R	32	0.5	180	390	3	10	0.40	-	100	10	-	250	-	5	20	NPN	SOT-323	CR
2SC4116-BL	60	0.15	350	700	6	1	0.25	-	50	5	-	80	-	10	1	NPN	SOT-323	LL
2SC4116-GR	60	0.15	200	400	6	1	0.25	-	50	5	-	80	-	10	1	NPN	SOT-323	LG
2SC4116-O	60	0.15	70	140	6	1	0.25	-	50	5	-	80	-	10	1	NPN	SOT-323	LO
2SC4116-Y	60	0.15	120	240	6	1	0.25	-	50	5	-	80	-	10	1	NPN	SOT-323	LY
2SC4215-O	30	0.02	70	140	6	1	-	-	-	-	260	550	-	6	1	NPN	SOT-323	QO
2SC4215-R	30	0.02	40	80	6	1	-	-	-	-	260	550	-	6	1	NPN	SOT-323	QR
2SC4215-Y	30	0.02	100	200	6	1	-	-	-	-	260	550	-	6	1	NPN	SOT-323	QY
BC807-16W	45	0.5	100	250	1	100	0.70	1.20	500	50	80	-	-	5	10	PNP	SOT-323	5A
BC807-25W	45	0.5	160	400	1	100	0.70	1.20	500	50	80	-	-	5	10	PNP	SOT-323	5B
BC807-40W	45	0.5	250	600	1	100	0.70	1.20	500	50	80	-	-	5	10	PNP	SOT-323	5C
BC817-16W	45	0.5	100	250	1	100	0.70	1.20	500	50	100	-	-	5	10	NPN	SOT-323	6A
BC817-25W	45	0.5	160	400	1	100	0.70	1.20	500	50	100	-	-	5	10	NPN	SOT-323	6B
BC817-40W	45	0.5	250	600	1	100	0.70	1.20	500	50	100	-	-	5	10	NPN	SOT-323	6C
BC846AW	65	0.1	110	220	5	2	0.25	0.70	10	5	100	-	-	5	10	NPN	SOT-323	1A
BC846BW	65	0.1	200	450	5	2	0.25	0.70	10	5	100	-	-	5	10	NPN	SOT-323	1B



SOT-23



SOT-223



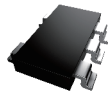
SOT-323

## SMALL SIGNAL & POWER TRANSISTORS

Part Number	V <sub>CEO</sub> (V)	I <sub>c</sub> (A)	h <sub>FE</sub> @ V <sub>CE</sub> & I <sub>c</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>c</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>c</sub>					Polarity	Package	Marking Code
			h <sub>FE</sub>	h <sub>FE</sub>	V <sub>CE</sub>	I <sub>c</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>c</sub>	I <sub>B</sub>	f <sub>T</sub> Min.	TPY.	f <sub>T</sub> Max.	V <sub>CE</sub>	I <sub>c</sub>			
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)			
BC847AW	45	0.1	110	220	5	2	0.25	0.70	10	5	100	-	-	5	10	NPN	SOT-323	1E
BC847BW	45	0.1	200	450	5	2	0.25	0.70	10	5	100	-	-	5	10	NPN	SOT-323	1F
BC847CW	45	0.1	420	800	5	2	0.25	0.70	10	5	100	-	-	5	10	NPN	SOT-323	1G
BC848AW	30	0.1	110	220	5	2	0.25	0.70	10	5	100	-	-	5	10	NPN	SOT-323	1JS/1J
BC848BW	30	0.1	200	450	5	2	0.25	0.70	10	5	100	-	-	5	10	NPN	SOT-323	1KS/1K
BC848CW	30	0.1	420	800	5	2	0.25	0.70	10	5	100	-	-	5	10	NPN	SOT-323	1LS/1L
BC856AW	65	0.1	125	250	5	2	0.65	1.10	100	5	100	-	200	5	10	PNP	SOT-323	3A
BC856BW	65	0.1	220	475	5	2	0.65	1.10	100	5	100	-	200	5	10	PNP	SOT-323	3B
BC857AW	45	0.1	125	250	5	2	0.65	1.10	100	5	100	-	200	5	10	PNP	SOT-323	3E
BC857BW	45	0.1	220	475	5	2	0.65	1.10	100	5	100	-	200	5	10	PNP	SOT-323	3F
BC857CW	45	0.1	420	800	5	2	0.65	1.10	100	5	100	-	200	5	10	PNP	SOT-323	3G
BC858AW	30	0.1	125	250	5	2	0.65	1.10	100	5	100	-	200	5	10	PNP	SOT-323	3J
BC858BW	30	0.1	220	475	5	2	0.65	1.10	100	5	100	-	200	5	10	PNP	SOT-323	3K
BC858CW	30	0.1	420	800	5	2	0.65	1.10	100	5	100	-	200	5	10	PNP	SOT-323	3L
KTA2014-GR	-50	-0.15	200	400	-6	-2	-0.30	-	-100	-10	80	-	-	-10	-1	PNP	SOT-323	SG
KTA2014-O	-50	-0.15	70	120	-6	-2	-0.30	-	-100	-10	80	-	-	-10	-1	PNP	SOT-323	SO
KTA2014-Y	-50	-0.15	120	240	-6	-2	-0.30	-	-100	-10	80	-	-	-10	-1	PNP	SOT-323	SY
KTC4075-BL	50	0.15	350	700	6	2	0.25	-	100	10	-	80	-	10	1	NPN	SOT-323	LBL
KTC4075-GR	50	0.15	200	400	6	2	0.25	-	100	10	-	80	-	10	1	NPN	SOT-323	LGR
KTC4075-O	50	0.15	70	140	6	2	0.25	-	100	10	-	80	-	10	1	NPN	SOT-323	LO
KTC4075-Y	50	0.15	120	240	6	2	0.25	-	100	10	-	80	-	10	1	NPN	SOT-323	LY
MMST2222A	40	0.6	100	300	10	150	0.60	1.20	500	50	300	-	-	20	20	NPN	SOT-323	K3P
MMST2907A	-60	-0.6	100	300	-10	-150	-1.60	-2.60	-500	-50	200	-	-	-20	-50	PNP	SOT-323	K3F
MMST3904	40	0.2	100	300	1	10	0.30	0.95	50	5	300	-	-	20	10	NPN	SOT-323	K2N
MMST3906	40	0.2	100	300	1	10	0.30	0.95	50	5	300	-	-	20	10	PNP	SOT-323	K5N
MMST4401	40	0.6	100	300	1	150	0.40	0.95	150	15	250	-	-	10	20	NPN	SOT-323	K3X
MMST4403	-40	-0.6	100	300	-2	-150	-0.40	-0.95	-150	-15	200	-	-	10	20	PNP	SOT-323	K3T
MMST5401	-150	-0.2	60	300	-5	-10	-0.50	-1.00	-50	-5	100	-	300	-10	-10	PNP	SOT-323	K4M
MMST5551	160	0.2	80	250	5	10	0.20	1.00	50	5	100	-	300	10	20	NPN	SOT-323	K4N
MMSTA42	300	0.2	40	-	10	10	0.50	0.90	20	2	50	-	-	20	10	NPN	SOT-323	K3M
MMSTA92	300	0.1	40	-	10	10	0.50	0.90	20	2	50	-	-	20	10	PNP	SOT-323	K3R
MMSS8050W-L	25	1.5	120	200	1	100	0.50	1.20	800	80	100	-	-	10	50	NPN	SOT-323	Y1
MMSS8050W-H	25	1.5	200	350	1	100	0.50	1.20	800	80	100	-	-	10	50	NPN	SOT-323	Y1
MMSS8050W-J	25	1.5	300	400	1	100	0.50	1.20	800	80	100	-	-	10	50	NPN	SOT-323	Y1
MMSS8550W-L	-25	-1.5	120	200	-1	-100	-0.50	-1.20	-800	-80	100	-	-	-10	-50	PNP	SOT-323	Y2
MMSS8550W-H	-25	-1.5	200	350	-1	-100	-0.50	-1.20	-800	-80	100	-	-	-10	-50	PNP	SOT-323	Y2
MMSS8550W-J	-25	-1.5	300	400	-1	-100	-0.50	-1.20	-800	-80	100	-	-	-10	-50	PNP	SOT-323	Y2
UMG3N	50	0.1	100	600	5	1	0.30	-	5	0.25	-	250	-	10	5	NPN	SOT-353	G3
UML2N	50	0.15	120	560	6	1	0.40	-	50	5	-	180	-	12	2	"PNP&Diode"	SOT-353	L2
UML6N	12	0.5	270	680	2	10	0.25	-	200	10	-	320	-	2	10	"PNP&Diode"	SOT-353	L6
UMY1N	-50	-0.15	120	560	-6	-1	-0.50	-	-50	-5	-	140	-	-12	-2	NPN	SOT-353	Y1
SMBT5551	160	0.6	100	300	5	10	0.20	1	50	5	100	-	300	10	10	NPN	SOT23-6L	5551S
BC846BS	65	0.1	200	450	5	2	0.10	-	10	0.5	-	100	-	5	10	NPN	SOT-363	4Ft
BC846S	65	0.1	110	-	5	2	0.10	-	10	0.5	-	100	-	5	10	NPN	SOT-363	4Ft
BC846BPN	65	0.1	200	450	5	2	0.10	0.85	10	0.5	100	-	-	5	10	"NPN&PNP"	SOT-363	PJ
BC847BS	45	0.1	200	450	5	2	0.65	-	100	5	-	200	-	5	10	NPN	SOT-363	1C
BC847PN	45	0.1	200	450	5	2	0.25	0.70	10	0.5	100	-	-	5	10	"NPN&PNP"	SOT-363	7P
BC856BS	-65	-0.1	200	450	-5	-2	-0.10	-0.70	-10	-0.5	100	-	-	-5	-10	PNP	SOT-363	5Ft
BC856S	-65	-0.1	110	110	-5	-2	-0.10	-0.70	-10	-0.5	100	-	-	-5	-10	PNP	SOT-363	5Ft



SOT-323



SOT-353



SOT23-6L



SOT-363

## SMALL SIGNAL & POWER TRANSISTORS

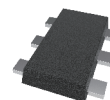
Part Number	V <sub>CEO</sub>	I <sub>c</sub>	hFE @ V <sub>CE</sub> & I <sub>c</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>c</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>c</sub>					Polarity	Package	Marking Code
			hFE	hFE	V <sub>CE</sub>	I <sub>c</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>c</sub>	I <sub>B</sub>	f <sub>T Min.</sub>	TPY.	f <sub>T Max.</sub>	V <sub>CE</sub>	I <sub>c</sub>			
			(V)	(A)	Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)			
BC857S	-45	-0.1	125	630	-5	-2	-0.30	-0.60	-10	-0.5		200	-	-5	-10	PNP	SOT-363	3C
DMMT3904	40	0.2	100	300	1	10	0.30	0.95	50	5	300	-	-	20	10	NPN	SOT-363	K4A
DMMT3906	-40	-0.2	100	300	-1	-10	-0.40	-0.95	-50	-5	250	-	-	-20	-10	PNP	SOT-363	K3Q
MMDT2222A	40	0.6	100	300	10	150	1.00	2.00	500	50	300	-	-	20	20	NPN	SOT-363	K1P
MMDT2227	40	0.6	100	300	10	150	1.00	2.00	500	50	300	-	-	20	20	'NPN&PNP'	SOT-363	K27
MMDT2907A	60	0.6	100	300	-10	-150	-0.40	-1.30	-150	-15	200	-	-	-20	-50	PNP	SOT-363	K2F
MMDT3904	40	0.2	100	300	1	10	0.30	0.95	50	5	300	-	-	20	10	NPN	SOT-363	K6N
MMDT3906	-40	-0.2	100	300	-1	-10	-0.40	-0.95	-50	-5	250	-	-	-20	-10	PNP	SOT-363	K3N
MMDT3946	40	0.2	100	300	1	10	0.30	0.95	50	5	300	-	-	20	20	'NPN&PNP'	SOT-363	K46
MMDT4401	40	0.6	100	300	1	150	0.75	1.20	500	50	250	-	-	10	20	NPN	SOT-363	K2X
MMDT4403	-40	-0.6	100	300	2	150	0.75	1.30	500	50	200	-	-	10	20	PNP	SOT-363	K2T
MMDT4413	40	0.6	100	300	1	150	0.75	1.20	500	50	250	-	-	10	20	'NPN&PNP'	SOT-363	K13
MMDT5401	-150	-0.2	100	300	-5	-10	-0.50	-1.00	-50	-5	100	-	300	-10	-10	PNP	SOT-363	K4M
MMDT5451	160	0.2	100	300	5	10	0.20	1.00	50	5	100	-	300	10	10	'NPN&PNP'	SOT-363	KNM
MMDT5551	160	0.2	100	300	5	10	0.15	1.00	10	1	100	-	300	20	10	NPN	SOT-363	K4N
UMT1N	-50	-0.15	120	560	-6	-1	-0.50	-	-50	-5	-	140	-	-12	-	PNP	SOT-363	T1
UMX18N	12	0.15	270	680	2	10	0.25	-	200	10	-	320	-	2	10	NPN	SOT-363	X18
UMX1N	50	0.15	120	560	6	1	0.40	-	50	5	-	180	-	12	2	NPN	SOT-363	X1
UMX3N	50	0.15	120	560	6	1	0.40	-	50	5	-	180	-	12	2	NPN	SOT-363	X3
UMZ1N	50	0.15	120	560	6	1	0.40	-	50	5	-	140	-	12	2	'NPN&PNP'	SOT-363	Z1
2SA1774-Q	-50	-0.15	120	270	-6	-1	-0.50	-	-5	-5	-	140	-	-12	-2	PNP	SOT-523	FQ
2SA1774-R	-50	-0.15	180	390	-6	-1	-0.50	-	-5	-5	-	140	-	-12	-2	PNP	SOT-523	FR
2SA1774-S	-50	-0.15	270	560	-6	-1	-0.50	-	-5	-5	-	140	-	-12	-2	PNP	SOT-523	FS
2SA1832-GR	-50	-0.15	200	400	-6	-1	-0.30	-	-100	-10	80	-	-	-10	-1	PNP	SOT-523	SG
2SA1832-Y	-50	-0.15	120	240	-6	-1	-0.30	-	-100	-10	80	-	-	-10	-1	PNP	SOT-523	SY
2SC4617-Q	50	0.15	120	270	6	1	0.40	-	50	5	-	180	-	12	2	NPN	SOT-523	BQ
2SC4617-R	50	0.15	180	390	6	1	0.40	-	50	5	-	180	-	12	2	NPN	SOT-523	BR
2SC4617-S	50	0.15	270	560	6	1	0.40	-	50	5	-	180	-	12	2	NPN	SOT-523	BS
BC847AT	45	0.1	110	222	5	2	0.60	0.90	100	5	100	-	-	5	10	NPN	SOT-523	1E
BC847BT	45	0.1	200	450	5	2	0.60	0.90	100	5	100	-	-	5	10	NPN	SOT-523	1F
BC847CT	45	0.1	420	800	5	2	0.60	0.90	100	5	100	-	-	5	10	NPN	SOT-523	1G
BC857AT	-45	-0.1	125	250	-5	-2	-0.65	-0.90	-100	-5	100	-	-	-5	-10	PNP	SOT-523	3E
BC857BT	-45	-0.1	220	475	-5	-2	-0.65	-0.90	-100	-5	100	-	-	-5	-10	PNP	SOT-523	3F
BC857CT	-45	-0.1	420	800	-5	-2	-0.65	-0.90	-100	-5	100	-	-	-5	-10	PNP	SOT-523	3G
MMBT2222AT	40	0.6	75	300	10	10	1.00	2.00	500	50	300	-	-	20	20	NPN	SOT-523	1P
MMBT2907AT	-60	-0.6	100	300	-10	-10	-0.40	-1.30	-150	-15	-	140	-	-12	-2	PNP	SOT-523	2F
MMBT3904T	40	0.2	100	300	1	10	0.30	0.95	50	5	300	-	-	20	10	NPN	SOT-523	1N
MMBT3906T	-40	-0.2	100	300	-1	-10	-0.40	-0.95	-50	-5	250	-	-	-20	-10	PNP	SOT-523	3N
BC847BV	45	0.1	200	450	5	2	0.30	0.90	100	5	100	-	-	5	10	NPN	SOT-563	K4V
BC857BV	-45	-0.1	200	475	-5	-2	-0.40	-0.90	-100	-5	100	-	-	-5	-10	PNP	SOT-563	K5V
EMZ1	50	0.15	120	560	6	1	0.40	-	50	5	-	180	-	12	2	'NPN&PNP'	SOT-563	Z1
MMDT3904V	40	0.2	100	300	1	10	0.30	0.95	50	5	300	-	-	20	10	NPN	SOT-563	KAP
MMDT3906V	-40	-0.2	100	300	-1	-10	-0.40	-0.95	-50	-5	250	-	-	-20	-10	PNP	SOT-563	KAR



SOT-363



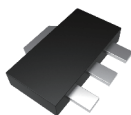
SOT-523



SOT-563

# SMALL SIGNAL & POWER TRANSISTORS

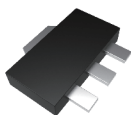
Part Number	V <sub>CEO</sub> (V)	I <sub>c</sub> (A)	hFE @ V <sub>CE</sub> & I <sub>c</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>c</sub> & I <sub>B</sub>				f <sub>t</sub> @ V <sub>CE</sub> & I <sub>c</sub>					Polarity	Package	Marking Code
			hFE	hFE	V <sub>CE</sub>	I <sub>c</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>c</sub>	I <sub>B</sub>	f <sub>t</sub> Min.	TPY.	f <sub>t</sub> Max.	V <sub>CE</sub>	I <sub>c</sub>			
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)			
2SA1201-O	-120	0.8	80	160	-5	-100	-1	-1	-500	-50	-	120	-	-5	-100	PNP	SOT-89	DO
2SA1201-Y	-120	-0.8	120	240	-5	-100	-1	-1	-500	-50	-	120	-	-5	-100	PNP	SOT-89	DY
2SA1213-O	-50	-2	70	140	-2	-500	-0.5	-1.2	-1000	-50	100	120	-	-2	-500	PNP	SOT-89	NO
2SA1213-Y	-50	-2	120	240	-2	-500	-0.5	-1.2	-1000	-50	100	120	-	-2	-500	PNP	SOT-89	NY
2SA1797-Q	-50	-2	120	270	-2	-500	-0.35	-	-1000	-50	-	200	-	-2	-500	PNP	SOT-89	AGQ
2SB1073-Q	20	4	120	205	-2	-2000	-1	-	-3000	-100	-	120	-	-6	-50	PNP	SOT-89	IQ
2SB1073-R	20	4	180	315	-2	-2000	-1	-	-3000	-100	-	120	-	-6	-50	PNP	SOT-89	IR
2SB1132-P	-32	-1	82	180	-2	-100	-0.5	-	-2000	-100	-	150	-	2	500	PNP	SOT-89	BAP
2SB1132-Q	-32	-1	120	270	-2	-100	-0.5	-	-2000	-100	-	150	-	2	500	PNP	SOT-89	BAQ
2SB1132-R	-32	-1	180	390	-2	-100	-0.5	-	-2000	-100	-	150	80	2	500	PNP	SOT-89	BAR
2SB1140-R	-50	-2	120	240	-2	-200	-0.3	-1.2	-1000	-50	-	-	80	-10	-50	PNP	SOT-89	1L
2SB1140-S	-50	-2	170	340	-2	-200	-0.3	-1.2	-1000	-50	-	-	-	-10	-50	PNP	SOT-89	1L
2SB1188-P	-32	-2	82	180	-3	-500	-0.8	-	-2000	-200	-	80	-	-5	-500	PNP	SOT-89	BCP
2SB1188-Q	-32	-2	120	270	-3	-500	-0.8	-	-2000	-200	-	80	-	-5	-500	PNP	SOT-89	BCQ
2SB1188-R	-32	-2	180	390	-3	-500	-0.8	-	-2000	-200	-	80	-	-5	-500	PNP	SOT-89	BCR
2SB1260-P	-80	-1	82	180	-3	-100	-0.4	-	-500	-50	-	80	-	-5	-50	PNP	SOT-89	ZL
2SB1260-Q	-80	-1	120	270	-3	-100	-0.4	-	-500	-50	-	80	-	-5	-50	PNP	SOT-89	ZL
2SB1260-R	-80	-1	180	390	-3	-100	-0.4	-	-500	-50	-	80	-	-5	-50	PNP	SOT-89	ZL
2SB1308-P	-20	-3	82	180	-2	-500	-0.45	-	-1500	-150	50	-	-	-6	-50	PNP	SOT-89	BFP
2SB1308-Q	-20	-3	120	270	-2	-500	-0.45	-	-1500	-150	50	-	-	-6	-50	PNP	SOT-89	BFQ
2SB1308-R	-20	-3	180	390	-2	-500	-0.45	-	-1500	-150	50	-	-	-6	-50	PNP	SOT-89	BFR
2SB1386-P	-20	-5	82	180	-2	-500	-1	-	-4000	-100	-	120	-	-6	-50	PNP	SOT-89	BHP
2SB1386-Q	-20	-5	120	270	-2	-500	-1	-	-4000	-100	-	120	-	-6	-50	PNP	SOT-89	BHQ
2SB1386-R	-20	-5	180	390	-2	-500	-1	-	-4000	-100	-	120	-	-6	-50	PNP	SOT-89	BHR
2SC2873-O	50	2	70	140	2	500	0.5	1.2	1000	50	-	120	-	2	500	NPN	SOT-89	MO
2SC2873-Y	50	2	120	240	2	500	0.5	1.2	1000	50	-	120	-	2	500	NPN	SOT-89	MY
2SC2881-O	120	0.8	80	160	5	100	1	1	500	50	-	120	-	5	100	NPN	SOT-89	CO1
2SC2881-Y	120	0.8	120	240	5	100	1	1	500	50	-	120	-	5	100	NPN	SOT-89	CY1
2SC2883-Y	30	1.5	160	320	2	500	2	1	1500	30	-	120	-	2	500	NPN	SOT-89	GY
2SC4548-D	400	0.2	60	120	10	50	0.6	1	50	5	-	70	-	30	10	NPN	SOT-89	CN
2SC4548-E	400	0.2	100	200	10	50	0.6	1	50	5	-	70	-	30	10	NPN	SOT-89	CN
2SC4672-P	50	2	82	180	2	500	0.35	-	1000	50	-	210	-	2	500	NPN	SOT-89	DKP
2SC4672-Q	50	2	120	270	2	500	0.35	-	1000	50	-	210	-	2	500	NPN	SOT-89	DKQ
2SC4672-R	50	2	180	390	2	500	0.35	-	1000	50	-	210	-	2	500	NPN	SOT-89	DKR
2SD1005-V	80	1	135	270	2	100	0.5	1.5	500	50	-	160	-	5	10	NPN	SOT-89	BV
2SD1664-P	32	1	82	180	3	100	0.4	-	500	50	-	150	-	5	50	NPN	SOT-89	DAP
2SD1664-Q	32	1	120	270	3	100	0.4	-	500	50	-	150	-	5	50	NPN	SOT-89	DAQ
2SD1664-R	32	1	180	390	3	100	0.4	-	500	50	-	150	-	5	50	NPN	SOT-89	DAR
2SD1898-P	80	1	82	180	3	500	0.4	-	500	20	-	100	-	10	50	NPN	SOT-89	DF
2SD1898-Q	80	1	120	270	3	500	0.4	-	500	20	-	100	-	10	50	NPN	SOT-89	DF
2SD1898-R	80	1	180	390	3	500	0.4	-	500	20	-	100	-	10	50	NPN	SOT-89	DF
2SD874-Q	25	1	85	170	10	500	0.4	1.2	500	50	-	200	-	10	50	NPN	SOT-89	ZQ
2SD874-R	25	1	120	240	10	500	0.4	1.2	500	50	-	200	-	10	50	NPN	SOT-89	ZR
2SD874-S	25	1	170	340	10	500	0.4	1.2	500	50	-	200	-	10	50	NPN	SOT-89	ZS
2SD874A-Q	50	1	85	170	10	500	0.4	1.2	500	50	-	200	-	10	50	NPN	SOT-89	YQ
2SD874A-R	50	1	120	240	10	500	0.4	1.2	500	50	-	200	-	10	50	NPN	SOT-89	YR
2SD874A-S	50	1	170	340	10	500	0.4	1.2	500	50	-	200	-	10	50	NPN	SOT-89	YS
BC868-10	20	1	85	160	1	50	0.5	0.62	1000	100	40	-	-	5	10	NPN	SOT-89	CBC
BC868-16	20	1	120	200	1	50	0.5	0.62	1000	100	40	-	-	5	10	NPN	SOT-89	CCC
BC868-25	20	1	160	375	1	50	0.5	0.62	1000	100	40	-	-	5	10	NPN	SOT-89	CDC
BC869	20	1	100	375	1	500	0.5	0.62	1000	100	40	-	-	5	10	PNP	SOT-89	CEC
BC869-16	20	1	100	250	1	500	0.5	0.62	1000	100	40	-	-	5	10	PNP	SOT-89	CGC
BC869-25	20	1	160	375	1	500	0.5	0.62	1000	100	40	-	-	5	10	PNP	SOT-89	CHC
BCX51	-45	-1	63	250	-2	-150	-0.5	-	-500	-50	50	-	-	-5	-10	PNP	SOT-89	AA
BCX51-10	-45	-1	63	160	-2	-150	-0.5	-	-500	-50	50	-	-	-5	-10	PNP	SOT-89	AC
BCX51-16	-45	-1	100	250	-2	-150	-0.5	-	-500	-50	50	-	-	-5	-10	PNP	SOT-89	AD
BCX52	-60	-1	63	250	-2	-150	-0.5	-	-500	-50	-	50	-	-5	-10	PNP	SOT-89	AE



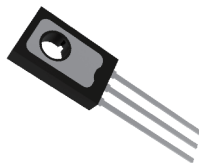
SOT-89

## SMALL SIGNAL & POWER TRANSISTORS

Part Number	V <sub>CEO</sub>	I <sub>c</sub>	hFE @ V <sub>CE</sub> & I <sub>c</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>c</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>c</sub>					Polarity	Package	Marking Code
			hFE		V <sub>CE</sub>	I <sub>c</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>c</sub>	I <sub>B</sub>	f <sub>T Min.</sub>	TPY.	f <sub>T Max.</sub>	V <sub>CE</sub>	I <sub>c</sub>			
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)			
BCX52-10	-60	-1	63	160	-2	-150	-0.5	-	-500	-50	-	50	-	-5	-10	PNP	SOT-89	AG
BCX52-16	-60	-1	100	250	-2	-150	-0.5	-	-500	-50	-	50	-	-5	-10	PNP	SOT-89	AM
BCX53	-80	-1	63	250	-2	-150	-0.5	-	-500	-50	-	50	-	-5	-10	PNP	SOT-89	AH
BCX53-10	-80	-1	63	160	-2	-150	-0.5	-	-500	-50	-	50	-	-5	-10	PNP	SOT-89	AK
BCX53-16	-80	-1	100	250	-2	-150	-0.5	-	-500	-50	-	50	-	-5	-10	PNP	SOT-89	AL
BCX54	45	1	63	250	2	150	0.5	-	500	50	-	130	-	5	10	NPN	SOT-89	BA
BCX54-10	45	1	63	160	2	150	0.5	-	500	50	-	130	-	5	10	NPN	SOT-89	BC
BCX54-16	45	1	100	250	2	150	0.5	-	500	50	-	130	-	5	10	NPN	SOT-89	BD
BCX55	60	1	63	250	2	150	0.5	-	500	50	130	-	-	10	50	NPN	SOT-89	BE
BCX55-10	60	1	63	160	2	150	0.5	-	500	50	130	-	-	10	50	NPN	SOT-89	BG
BCX55-16	60	1	100	250	2	150	0.5	-	500	50	130	-	-	10	50	NPN	SOT-89	BM
BCX56	80	1	63	250	2	150	0.5	-	500	50	130	-	-	100	50	NPN	SOT-89	BH
BCX56-10	80	1	63	160	2	150	0.5	-	500	50	130	-	-	100	50	NPN	SOT-89	BK
BCX56-16	80	1	100	250	2	150	0.5	-	500	50	130	-	-	100	50	NPN	SOT-89	BL
BD772-GR	-30	-3	200	400	-2	-1000	-0.5	-1.5	-2000	-200	80	-	-	-5	-100	PNP	SOT-89	B772
BD772-O	-30	-3	100	200	-2	-1000	-0.5	-1.5	-2000	-200	80	-	-	-5	-100	PNP	SOT-89	B772
BD772-R	-30	-3	60	120	-2	-1000	-0.5	-1.5	-2000	-200	80	-	-	-5	-100	PNP	SOT-89	B772
BD772-Y	-30	-3	160	320	-2	-1000	-0.5	-1.5	-2000	-200	80	-	-	-5	-100	PNP	SOT-89	B772
BD882-GR	30	3	200	400	2	1000	0.5	1.5	2000	200	50	-	-	5	100	NPN	SOT-89	D882
BD882-O	30	3	100	200	2	1000	0.5	1.5	2000	200	50	-	-	5	100	NPN	SOT-89	D882
BD882-R	30	3	60	120	2	1000	0.5	1.5	2000	200	50	-	-	5	100	NPN	SOT-89	D882
BD882-Y	30	3	160	320	2	1000	0.5	1.5	2000	200	50	-	-	5	100	NPN	SOT-89	D882
BSR33	-80	-1	100	300	-5	-100	-0.5	-1.2	-500	-50	100	-	-	-10	0	PNP	SOT-89	-
BSR43	80	1	100	300	5	100	0.5	1.2	500	50	100	-	-	10	0	NPN	SOT-89	-
CXT5401	150	0.5	50	-	5	1	0.2	1	10	1	100	-	300	10	10	PNP	SOT-89	-
CHT5551	160	0.6	80	-	5	1	0.15	1	10	1	100	-	-	10	10	NPN	SOT-89	1G6
HM4033	-80	-1	100	-	-5	-100	-0.15	-0.9	-150	-15	100	-	-	-10	-50	PNP	SOT-89	CO
KTC4373-O	120	0.8	80	160	5	100	1	-	500	50	-	120	-	5	500	NPN	SOT-89	CY
KTC4373-Y	120	0.8	120	240	5	100	1	-	500	50	-	120	-	5	500	NPN	SOT-89	-
KTD1898-O	80	1	70	140	3	500	0.4	-	500	20	-	100	-	10	50	NPN	SOT-89	ZO
KTD1898-Y	80	1	120	240	3	500	0.4	-	500	20	-	100	-	10	50	NPN	SOT-89	ZY
KTD1898-GR	80	1	200	400	3	500	0.4	-	500	20	-	100	-	10	50	NPN	SOT-89	ZG
PXT2222A	40	0.6	100	300	10	150	0.3	1.2	150	15	300	-	-	20	20	NPN	SOT-89	1P
PXT2907A	-60	0.6	100	300	-10	-150	-0.4	-1.3	-150	-15	200	-	-	-10	-20	PNP	SOT-89	P2F
PXT3904	40	0.2	100	300	1	10	0.2	0.85	10	1	300	-	-	20	10	NPN	SOT-89	1A
PXT3906	40	0.2	100	300	-1	-10	-0.25	-0.85	-10	-1	250	-	-	-20	-10	PNP	SOT-89	2A
PXT8050-C	25	1.5	120	200	1	100	0.5	1.2	800	80	100	-	-	10	50	NPN	SOT-89	Y1
PXT8050-D	25	1.5	160	300	1	100	0.5	1.2	800	80	100	-	-	10	50	NPN	SOT-89	Y1
PXT8050-D3	25	1.5	300	400	1	100	0.5	1.2	800	80	100	-	-	10	50	NPN	SOT-89	Y1
PXT8550-B	-25	-1.5	85	160	-1	-100	-0.5	-1.2	-800	-80	100	-	-	-10	-50	PNP	SOT-89	Y2/8550
PXT8550-C	-25	-1.5	120	200	-1	-100	-0.5	-1.2	-800	-80	100	-	-	-10	-50	PNP	SOT-89	Y2/8550
PXT8550-D	-25	-1.5	160	300	-1	-100	-0.5	-1.2	-800	-80	100	-	-	-10	-50	PNP	SOT-89	Y2/8550
PXT8550-D3	-25	-1.5	300	400	-1	-100	-0.5	-1.2	-800	-80	100	-	-	-10	-50	PNP	SOT-89	Y2/8550
PXTA44	400	0.3	50	200	10	10	0.4	0.75	1	0.1	-	-	-	-	-	NPN	SOT-89	A44
KTA1664-O	-30	-0.8	100	200	-2	-1000	-0.7	-0.8	-500	-20	-	120	-	-5	-10	PNP	SOT-89	RO
KTA1664-Y	-30	-0.8	180	390	-2	-1000	-0.7	-0.8	-500	-20	-	120	-	-5	-10	PNP	SOT-89	RY
2N6036	80	4	750	15000	3	2000	3	4	4000	40	-	-	-	-	-	PNP	TO-126	2N6036
2SB772-GR	30	3	200	400	2	1000	0.5	2	2000	200	50	-	-	5	100	PNP	TO-126	-
2SB772-O	30	3	100	200	2	1000	0.5	2	2000	200	50	-	-	5	100	PNP	TO-126	-
2SB772-R	30	3	60	120	2	1000	0.5	2	2000	200	50	-	-	5	100	PNP	TO-126	-
2SB772-Y	30	3	160	320	2	1000	0.5	2	2000	200	50	-	-	5	100	PNP	TO-126	-
2SD669A-B	160	1.5	60	120	5	150	1	1.5	500	50	-	140	-	5	150	NPN	TO-126	-
2SD669A-C	160	1.5	100	200	5	150	1	1.5	500	50	-	140	-	5	150	NPN	TO-126	-
2SD669-B	120	1.5	60	120	5	150	1	1.5	500	50	-	140	-	5	150	NPN	TO-126	-
2SD669-C	120	1.5	100	200	5	150	1	1.5	500	50	-	140	-	5	150	NPN	TO-126	-
2SD669-D	120	1.5	160	320	5	150	1	1.5	500	50	-	140	-	5	150	NPN	TO-126	-
2SD882-GR	30	3	200	400	2	1000	0.5	2	2000	200	50	-	-	5	100	NPN	TO-126	-
2SD882-O	30	3	100	200	2	1000	0.5	2	2000	200	50	-	-	5	100	NPN	TO-126	-
2SD882-R	30	3	60	120	2	1000	0.5	2	2000	200	50	-	-	5	100	NPN	TO-126	-
2SD882-Y	30	3	160	320	2	1000	0.5	2	2000	200	50	-	-	5	100	NPN	TO-126	-
BD135-6	45	1.5	40	100	2	150	0.5	-	500	50	-	-	-	-	-	NPN	TO-126	-
BD135-10	45	1.5	40	100	2	150	0.5	-	500	50	-	-	-	-	-	NPN	TO-126	-
BD135-16	45	1.5	40	100	2	150	0.5	-	500	50	-	-	-	-	-	NPN	TO-126	-



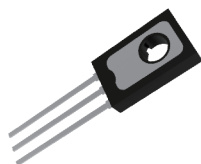
SOT-89



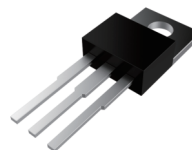
TO-126

## SMALL SIGNAL & POWER TRANSISTORS

Part Number	V <sub>CEO</sub> (V)	I <sub>C</sub> (A)	hFE @ V <sub>CE</sub> & I <sub>C</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>C</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>C</sub>					Polarity	Package	Marking Code	
			hFE	hFE	V <sub>CE</sub>	I <sub>C</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>C</sub>	I <sub>B</sub>	f <sub>T</sub> Min.	TPY.	f <sub>T</sub> Max.	V <sub>CE</sub>	I <sub>C</sub>				
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)				
BD137-6	60	1.5	63	160	2	150	0.5	-	500	50	-	-	-	-	-	-	NPN	TO-126	-
BD137-10	60	1.5	63	160	2	150	0.5	-	500	50	-	-	-	-	-	-	NPN	TO-126	-
BD137-16	60	1.5	63	160	2	150	0.5	-	500	50	-	-	-	-	-	-	NPN	TO-126	-
BD139-6	80	1.5	100	250	2	150	0.5	-	500	50	-	-	-	-	-	-	NPN	TO-126	-
BD139-10	80	1.5	100	250	2	150	0.5	-	500	50	-	-	-	-	-	-	NPN	TO-126	-
BD139-16	80	1.5	100	250	2	150	0.5	-	500	50	-	-	-	-	-	-	NPN	TO-126	-
BD136-10	45	1.5	63	160	2	150	0.5	-	500	50	-	-	-	-	-	-	PNP	TO-126	-
BD136-16	45	1.5	100	250	2	150	0.5	-	500	50	-	-	-	-	-	-	PNP	TO-126	-
BD136-6	45	1.5	40	100	2	150	0.5	-	500	50	-	-	-	-	-	-	PNP	TO-126	-
BD138-10	60	1.5	63	160	2	150	0.5	-	500	50	-	-	-	-	-	-	PNP	TO-126	-
BD138-16	60	1.5	100	250	2	150	0.5	-	500	50	-	-	-	-	-	-	PNP	TO-126	-
BD138-6	60	1.5	40	100	2	150	0.5	-	500	50	-	-	-	-	-	-	PNP	TO-126	-
BD140-10	80	1.5	63	160	2	150	0.5	-	500	50	-	-	-	-	-	-	PNP	TO-126	-
BD140-16	80	1.5	100	250	2	150	0.5	-	500	50	-	-	-	-	-	-	PNP	TO-126	-
BD140-6	80	1.5	40	100	2	150	0.5	-	500	50	-	-	-	-	-	-	PNP	TO-126	-
BD233	45	2	40	-	2	150	0.6	-	1000	100	3	-	-	-	10	250	NPN	TO-126	-
BD235	60	2	40	-	2	150	0.6	-	1000	100	3	-	-	-	10	250	NPN	TO-126	-
BD237	80	2	40	-	2	150	0.6	-	1000	100	3	-	-	-	10	250	NPN	TO-126	-
BD433	22	4	85	-	1	500	0.5	-	2000	200	3	-	-	-	1	250	NPN	TO-126	-
BD435	32	4	85	-	1	500	0.5	-	2000	200	3	-	-	-	1	250	NPN	TO-126	-
BD437	45	4	85	-	1	500	0.6	-	2000	200	3	-	-	-	1	250	NPN	TO-126	-
BD434	-22	-4	85	-	-1	-500	-0.5	-	-2000	-200	3	-	-	-	-1	-250	PNP	TO-126	-
BD436	-32	-4	85	-	-1	-500	-0.5	-	-2000	-200	3	-	-	-	-1	-250	PNP	TO-126	-
BD438	-45	-4	85	-	-1	-500	-0.6	-	-2000	-200	3	-	-	-	-1	-250	PNP	TO-126	-
BD439	60	4	45	475	1	500	0.8	-	3000	300	3	-	-	-	1	250	NPN	TO-126	-
MJE13002	400	1	8	60	10	100	0.8	1.1	200	40	5	-	-	-	10	100	NPN	TO-126	-
MJE13003A	400	1.5	8	40	5	500	1	1.2	1000	250	5	-	-	-	10	100	NPN	TO-126	-
2N6045	100	8	1000	20000	4	3000	4	-	8000	80	-	-	-	-	-	-	NPN	TO-220	-
2N6107	70	7	30	150	4	2000	3.5	-	7000	3000	10	-	-	-	4	500	PNP	TO-220	2N6107
2N6388	80	10	1000	20000	3	5000	2	-	5000	10	-	-	-	-	-	-	NPN	TO-220	2N6388
2SB857-B	-50	-4	60	120	-4	-1000	-1	-	-2	-200	-	15	-	-	-4	-500	PNP	TO-220	-
2SB857-C	-50	-4	100	200	-4	-1000	-1	-	-2	-200	-	15	-	-	-4	-500	PNP	TO-220	-
2SB857-D	-50	-4	160	320	-4	-1000	-1	-	-2	-200	-	15	-	-	-4	-500	PNP	TO-220	-
2SB861-B	-150	-2	60	120	-4	-50	-3	-	-500	-50	-	-	-	-	-	-	PNP	TO-220	-
2SB861-C	-150	-2	100	200	-4	-50	-3	-	-500	-50	-	-	-	-	-	-	PNP	TO-220	-
2SC2073	150	1.5	40	140	10	500	1.5	-	500	50	-	4	-	-	10	500	NPN	TO-220	-
2SD880-GR	60	3	150	300	5	500	1	-	3000	300	-	3	-	-	5	500	NPN	TO-220	-
2SD880-Q	60	3	60	120	5	500	1	-	3000	300	-	3	-	-	5	500	NPN	TO-220	-
2SD880-Y	60	3	100	200	5	500	1	-	3000	300	-	3	-	-	5	500	NPN	TO-220	-
BDW93B	80	12	750	20000	3	5000	2	2.5	5000	20	-	-	-	-	-	-	NPN	TO-220	-
BDX33D	100	10	750	-	3	3000	2.5	-	3000	6	-	-	-	-	-	-	NPN	TO-220	-
BUT11A	450	5	10	35	5	5	1.5	1.3	2500	500	-	-	-	-	-	-	NPN	TO-220	-
MJE13003	400	1.5	8	40	2	500	1	1.2	1000	250	5	-	-	-	10	100	NPN	TO-220	-
MJE13005	400	4	10	40	5	1000	0.6	1.6	2000	500	5	-	-	-	10	500	NPN	TO-220	-
MJE13007	400	8	5	30	5	5000	1	1.2	2000	400	-	4	-	-	10	500	NPN	TO-220	-
MJE2955	-60	-10	20	100	-4	-4000	-1.1	-	-4000	-400	2	-	-	-	-10	-500	PNP	TO-220	-
MJE3055	60	10	20	100	4	4000	1.1	-	4000	400	2	-	-	-	10	500	NPN	TO-220	-
TIP100	60	8	1000	20000	4	3000	2	-	3000	6	-	-	-	-	-	-	NPN	TO-220	-
TIP101	80	8	1000	20000	4	3000	2	-	3000	6	-	-	-	-	-	-	NPN	TO-220	-
TIP102	100	8	1000	20000	4	3000	2	-	3000	6	-	-	-	-	-	-	NPN	TO-220	-
TIP105	60	8	1000	20000	4	3000	2	-	3000	6	-	-	-	-	-	-	PNP	TO-220	-
TIP106	80	8	1000	20000	4	3000	2	-	3000	6	-	-	-	-	-	-	PNP	TO-220	-
TIP107	100	8	1000	20000	4	3000	2	-	3000	6	-	-	-	-	-	-	PNP	TO-220	-
TIP110	60	2	1000	-	4	1000	2.5	-	2000	8	-	-	-	-	-	-	NPN	TO-220	-
TIP111	80	2	1000	-	4	1000	2.5	-	2000	8	-	-	-	-	-	-	NPN	TO-220	-
TIP112	100	2	1000	-	4	1000	2.5	-	2000	8	-	-	-	-	-	-	NPN	TO-220	-
TIP115	60	2	1000	-	4	1000	2.5	-	2000	8	-	-	-	-	-	-	PNP	TO-220	-



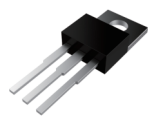
TO-126



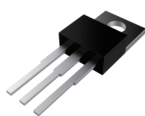
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## SMALL SIGNAL & POWER TRANSISTORS

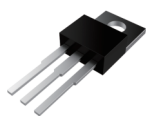
Part Number	V <sub>CEO</sub> (V)	I <sub>c</sub> (A)	h <sub>FE</sub> @ V <sub>CE</sub> & I <sub>c</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>c</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>c</sub>					Polarity	Package	Marking Code
			h <sub>FE</sub>	h <sub>FE</sub>	V <sub>CE</sub>	I <sub>c</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>c</sub>	I <sub>B</sub>	f <sub>T Min.</sub>	TPY.	f <sub>T Max.</sub>	V <sub>CE</sub>	I <sub>c</sub>			
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)			
TIP116	80	2	1000	-	4	1000	2.5	-	2000	8	-	-	-	-	-	PNP	TO-220	-
TIP117	100	2	1000	-	4	1000	2.5	-	2000	8	-	-	-	-	-	PNP	TO-220	-
TIP120	60	5	1000	-	3	500	2	-	3000	12	-	-	-	-	-	NPN	TO-220	-
TIP122	100	5	1000	-	3	500	2	-	3000	12	-	-	-	-	-	NPN	TO-220	-
TIP125	-60	-5	1000	-	-3	-500	-2	-	-3000	-12	-	-	-	-	-	PNP	TO-220	-
TIP126	-80	-5	1000	-	-3	-500	-2	-	-3000	-12	-	-	-	-	-	PNP	TO-220	-
TIP127	-100	-5	1000	-	-3	-500	-2	-	-3000	-12	-	-	-	-	-	PNP	TO-220	-
TIP29	40	1	15	75	4	1000	0.7	-	1000	125	3	-	-	10	200	NPN	TO-220	-
TIP29A	60	1	15	75	4	1000	0.7	-	1000	125	3	-	-	10	200	NPN	TO-220	-
TIP29B	80	1	15	75	4	1000	0.7	-	1000	125	3	-	-	10	200	NPN	TO-220	-
TIP29C	100	1	15	75	4	1000	0.7	-	1000	125	3	-	-	10	200	NPN	TO-220	-
TIP30	40	1	15	75	4	1000	0.7	-	1000	125	3	-	-	10	200	PNP	TO-220	-
TIP30A	60	1	15	75	4	1000	0.7	-	1000	125	3	-	-	10	200	PNP	TO-220	-
TIP30B	80	1	15	75	4	1000	0.7	-	1000	125	3	-	-	10	200	PNP	TO-220	-
TIP30C	100	1	15	75	4	1000	0.7	-	1000	125	3	-	-	10	200	PNP	TO-220	-
TIP31	40	3	10	50	4	3000	1.2	-	3000	375	3	-	-	10	500	NPN	TO-220	-
TIP31A	60	3	10	50	4	3000	1.2	-	3000	375	3	-	-	10	500	NPN	TO-220	-
TIP31B	80	3	10	50	4	3000	1.2	-	3000	375	3	-	-	10	500	NPN	TO-220	-
TIP31C	100	3	10	50	4	3000	1.2	-	3000	375	3	-	-	10	500	NPN	TO-220	-
TIP32	-40	-3	10	50	-4	-3000	-1.2	-	-3000	-375	3	-	-	-10	-500	PNP	TO-220	-
TIP32A	-60	-3	10	50	-4	-3000	-1.2	-	-3000	-375	3	-	-	-10	-500	PNP	TO-220	-
TIP32B	-80	-3	10	50	-4	-3000	-1.2	-	-3000	-375	3	-	-	-10	-500	PNP	TO-220	-
TIP32C	-100	-3	10	50	-4	-3000	-1.2	-	-3000	-375	3	-	-	-10	-500	PNP	TO-220	-
TIP41	40	6	15	75	4	3000	1.5	-	6000	600	3	-	-	10	500	NPN	TO-220	-
TIP41A	60	6	15	75	4	3000	1.5	-	6000	600	3	-	-	10	500	NPN	TO-220	-
TIP41B	80	6	15	75	4	3000	1.5	-	6000	600	3	-	-	10	500	NPN	TO-220	-
TIP41C	100	6	15	75	4	3000	1.5	-	6000	600	3	-	-	10	500	NPN	TO-220	-
TIP42	-40	-6	15	75	-4	-3000	-1.5	-	-6000	-600	3	-	-	-10	-500	NPN	TO-220	-
TIP42A	-60	-6	15	75	-4	-3000	-1.5	-	-6000	-600	3	-	-	-10	-500	NPN	TO-220	-
TIP42B	-80	-6	15	75	-4	-3000	-1.5	-	-6000	-600	3	-	-	-10	-500	NPN	TO-220	-
TIP42C	-100	-6	15	75	-4	-3000	-1.5	-	-6000	-600	3	-	-	-10	-500	NPN	TO-220	-
TIP47	250	1	30	150	10	300	1	-	1000	200	10	-	-	10	100	NPN	TO-220	-
2SA1012	-50	-5	70	240	-1	-1000	-0.4	-1.2	-3000	-150	60	-	-	-4	-1000	PNP	TO-220AB	-
2SB1366F-O	-60	-3	60	120	-5	-500	-1	-	-2000	-200	-	9	-	-5	-500	PNP	TO-220F	-
2SB1366F-Y	-60	-3	100	200	-5	-500	-1	-	-2000	-200	-	9	-	-5	-500	PNP	TO-220F	-
2SD1499-P	100	5	100	200	5	1000	2	-	1500	1.5	-	20	-	5	500	NPN	TO-220F	-
2SD2257	100	1.5	2000	-	2	1000	1.5	2	1500	1.5	-	-	-	-	-	NPN	TO-220F	-
3DA4793	230	1	100	320	5	100000	1.5	-	500	50	30	-	-	10	100	NPN	TO-220F	-
MJE13003D	400	1.5	8	40	5	500	1	1.2	1000	250	5	-	-	10	100	NPN	TO-251	-
2SC3303	80	5	70	240	1	1000	0.4	1.2	3000	150	-	20	-	4	1000	NPN	TO-251	-
D1815-R	100	3	100	200	5	500	0.4	1.2	1500	150	-	180	-	10	500	NPN	TO-251	-
MJE13005F	420	4	10	40	5	1000	0.3	1.6	1000	200	5	-	-	10	500	NPN	ITO-220AB	-
MJE13007F	400	8	5	30	5	5000	1	1.2	2000	400	-	4	-	10	500	NPN	ITO-220	-
2N3904	40	0.2	100	300	1	10	0.2	0.85	10	1	250	-	-	20	10	NPN	TO-92	-
2N3906	40	0.2	100	300	1	10	0.25	0.85	10	1	250	-	-	20	10	PNP	TO-92	-
2N4124	25	0.2	60	-	1	50	0.3	0.95	50	5	300	-	-	20	10	NPN	TO-92	-
2N4401	40	0.6	100	300	1	150	0.4	0.95	150	15	250	-	-	10	20	NPN	TO-92	-
2N4403	-40	0.6	100	300	-2	-150	-0.4	-0.95	-150	-15	200	-	-	-10	-20	PNP	TO-92	-
2N5401	150	0.6	60	240	5	10	0.5	1	50	5	100	-	300	10	10	PNP	TO-92	-
2N5551	160	0.6	80	300	5	10	0.5	1	50	5	100	-	300	10	10	NPN	TO-92	-
2N6517	350	0.5	30	200	10	30	0.3	0.75	10	1	40	-	200	20	10	NPN	TO-92	-
2N6519	300	0.5	45	270	10	30	0.3	0.75	10	1	40	-	200	20	10	PNP	TO-92	-
2N6520	350	0.5	30	200	10	30	0.3	0.75	10	1	40	-	200	20	10	PNP	TO-92	-
2SA1015-GR	-50	-0.15	200	400	-6	-2	-0.3	-1.1	-100	-10	80	-	-	-10	-1	PNP	TO-92	-
2SA1015-O	-50	-0.15	70	140	-6	-2	-0.3	-1.1	-100	-10	80	-	-	-10	-1	PNP	TO-92	-
2SA1015-Y	-50	-0.15	120	240	-6	-2	-0.3	-1.1	-100	-10	80	-	-	-10	-1	PNP	TO-92	-
2SA1980	50	0.15	70	700	6	2000	0.3	-	100	10	80	-	-	10	1	PNP	TO-92	-



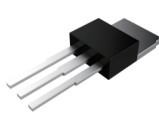
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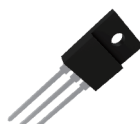
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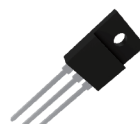
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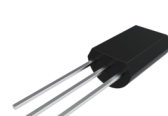
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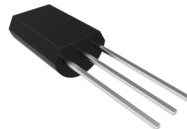
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## SMALL SIGNAL & POWER TRANSISTORS

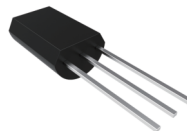
Part Number	V <sub>CEO</sub> (V)	I <sub>c</sub> (A)	hFE @ V <sub>CE</sub> & I <sub>c</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>c</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>c</sub>					Polarity	Package	Marking Code
			hFE	hFE	V <sub>CE</sub>	I <sub>c</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>c</sub>	I <sub>B</sub>	f <sub>T</sub> Min.	TPY.	f <sub>T</sub> Max.	V <sub>CE</sub>	I <sub>c</sub>			
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)			
2SA562-Z	-30	-0.5	70	140	-1	-100	-0.25	-	-100	-10	-	200	-	-6	-20	PNP	TO-92	-
2SA562-Y	-30	-0.5	120	240	-1	-100	-0.25	-	-100	-10	-	200	-	-6	-20	PNP	TO-92	-
2SA733-K	50	0.1	300	600	6	1	0.3	-	100	10	100	180	-	6	10	PNP	TO-92	-
2SA733-P	50	0.1	200	400	6	1	0.3	-	100	10	100	180	-	6	10	PNP	TO-92	-
2SA733-Q	50	0.1	135	270	6	1	0.3	-	100	10	100	180	-	6	10	PNP	TO-92	-
2SA733-R	50	0.1	90	180	6	1	0.3	-	100	10	100	180	-	6	10	PNP	TO-92	-
2SA950-O	-30	-0.8	100	200	-1	-100	0.7	-	-500	-20	-	120	-	-5	-10	PNP	TO-92	-
2SA950-Y	-30	-0.8	160	320	-1	-100	0.7	-	-500	-20	-	120	-	-5	-10	PNP	TO-92	-
2SC1008-G	60	0.7	200	400	2	50	0.4	1.1	500	50	30	-	-	10	50	NPN	TO-92	-
2SC1008-O	60	0.7	70	140	2	50	0.4	1.1	500	50	30	-	-	10	50	NPN	TO-92	-
2SC1008-R	60	0.7	40	80	2	50	0.4	1.1	500	50	30	-	-	10	50	NPN	TO-92	-
2SC1008-Y	60	0.7	120	240	2	50	0.4	1.1	500	50	30	-	-	10	50	NPN	TO-92	-
2SC1815-BL	50	0.15	350	700	6	2	0.25	1	100	10	80	-	-	10	1	NPN	TO-92	-
2SC1815-GR	50	0.15	200	400	6	2	0.25	1	100	10	80	-	-	10	1	NPN	TO-92	-
2SC1815-O	50	0.15	70	140	6	2	0.25	1	100	10	80	-	-	10	1	NPN	TO-92	-
2SC1815-Y	50	0.15	120	240	6	2	0.25	1	100	10	80	-	-	10	1	NPN	TO-92	-
2SC1959-GR	30	0.5	200	400	1	100	0.25	-	100	10	200	300	-	6	20	NPN	TO-92	-
2SC1959-O	30	0.5	70	140	1	100	0.25	-	100	10	200	300	-	6	20	NPN	TO-92	-
2SC1959-Y	30	0.5	120	240	1	100	0.25	-	100	10	200	300	-	6	20	NPN	TO-92	-
2SC2001-K	25	0.7	200	400	1	100	0.6	1.2	700	70	50	-	-	6	10	NPN	TO-92	-
2SC2001-L	25	0.7	135	270	1	100	0.6	1.2	700	70	50	-	-	6	10	NPN	TO-92	-
2SC2001-M	25	0.7	90	180	1	100	0.6	1.2	700	70	50	-	-	6	10	NPN	TO-92	-
2SC2120-O	30	0.8	100	200	1	100	0.5	-	500	20	100	-	-	5	10	NPN	TO-92	-
2SC2120-Y	30	0.8	160	320	1	100	0.5	-	500	20	100	-	-	5	10	NPN	TO-92	-
2SC2216	45	0.05	40	140	12.5	12.5	0.2	1.5	15	1.5	300	-	-	12.5	12.5	NPN	TO-92	-
2SC3279-L	10	2	140	240	1	500	0.5	-	2000	50	100	150	-	1	500	NPN	TO-92	-
2SC3279-M	10	2	200	330	1	500	0.5	-	2000	50	100	150	-	1	500	NPN	TO-92	-
2SC3279-N	10	2	300	450	1	500	0.5	-	2000	50	100	150	-	1	500	NPN	TO-92	-
2SC3279-P	10	2	420	600	1	500	0.5	-	2000	50	100	150	-	1	500	NPN	TO-92	-
2SC5343-G	50	0.15	200	400	6	2000	0.25	-	100	10	80	-	-	10	1	NPN	TO-92	-
2SC5343-L	50	0.15	300	700	6	2000	0.25	-	100	10	80	-	-	10	1	NPN	TO-92	-
2SC5343-O	50	0.15	70	140	6	2000	0.25	-	100	10	80	-	-	10	1	NPN	TO-92	-
2SC5343-Y	50	0.15	120	240	6	2000	0.25	-	100	10	80	-	-	10	1	NPN	TO-92	-
2SC945-GR	50	0.15	200	400	6	1	0.3	1	100	10	150	-	-	6	10	NPN	TO-92	-
2SC945-Y	50	0.15	120	240	6	1	0.3	1	100	10	150	-	-	6	10	NPN	TO-92	-
2SD1835	50	2	100	560	2	100	0.4	1.2	1000	50	-	150	-	10	50	NPN	TO-92	-
8050SS-C	25	1.5	120	200	1	100	0.5	1.2	800	80	100	-	-	10	50	NPN	TO-92	-
8050SS-D	25	1.5	160	300	1	100	0.5	1.2	800	80	100	-	-	10	50	NPN	TO-92	-
8550SS-C	25	1.5	120	200	1	100	0.5	1.2	800	80	100	-	-	10	50	PNP	TO-92	-
8550SS-D	25	1.5	160	300	1	100	0.5	1.2	800	80	100	-	-	10	50	PNP	TO-92	-
BC327-16	-45	-0.8	100	250	-1	-100	-0.7	-1.2	-500	-50	260	-	-	5	10	PNP	TO-92	-
BC327-25	-45	-0.8	160	400	-1	-100	-0.7	-1.2	-500	-50	260	-	-	5	10	PNP	TO-92	-
BC327-40	-45	-0.8	250	630	-1	-100	-0.7	-1.2	-500	-50	260	-	-	5	10	PNP	TO-92	-
BC328-16	-25	-0.8	100	250	-1	-100	-0.7	-1.2	-500	-50	260	-	-	5	10	PNP	TO-92	-
BC328-25	-25	-0.8	160	400	-1	-100	-0.7	-1.2	-500	-50	260	-	-	5	10	PNP	TO-92	-
BC328-40	-25	-0.8	250	630	-1	-100	-0.7	-1.2	-500	-50	260	-	-	5	10	PNP	TO-92	-
BC337-16	45	0.8	100	250	1	300	0.7	1.2	500	50	210	-	-	5	10	NPN	TO-92	-
BC337-25	45	0.8	160	400	1	300	0.7	1.2	500	50	210	-	-	5	10	NPN	TO-92	-
BC337-40	45	0.8	250	630	1	300	0.7	1.2	500	50	210	-	-	5	10	NPN	TO-92	-
BC338-16	25	0.8	100	250	1	300	0.7	1.2	500	50	210	-	-	5	10	NPN	TO-92	-
BC338-25	25	0.8	160	400	1	300	0.7	1.2	500	50	210	-	-	5	10	NPN	TO-92	-
BC338-40	25	0.8	250	630	1	300	0.7	1.2	500	50	210	-	-	5	10	NPN	TO-92	-
BC546A	65	0.1	110	220	5	2	0.3	1	100	5	150	300	-	5	10	NPN	TO-92	-
BC546B	65	0.1	200	450	5	2	0.3	1	100	5	150	300	-	5	10	NPN	TO-92	-
BC547A	45	0.1	110	220	5	2	0.3	1	100	5	150	300	-	5	10	NPN	TO-92	-
BC547B	45	0.1	200	450	5	2	0.3	1	100	5	150	300	-	5	10	NPN	TO-92	-
BC547C	45	0.1	420	800	5	2	0.3	1	100	5	150	300	-	5	10	NPN	TO-92	-



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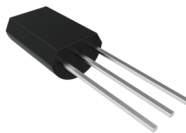
Part Number	V <sub>CEO</sub> (V)	I <sub>C</sub> (A)	hFE @ V <sub>CE</sub> & I <sub>C</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>C</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>C</sub>					Polarity	Package	Marking Code
			hFE	hFE	V <sub>CE</sub>	I <sub>C</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>C</sub>	I <sub>B</sub>	f <sub>T Min.</sub>	TPY.	f <sub>T Max.</sub>	V <sub>CE</sub>	I <sub>C</sub>			
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)			
BC548A	30	0.1	110	220	5	2	0.3	1	100	5	150	300	-	5	10	NPN	TO-92	-
BC548B	30	0.1	200	450	5	2	0.3	1	100	5	150	300	-	5	10	NPN	TO-92	-
BC548C	30	0.1	420	800	5	2	0.3	1	100	5	150	300	-	5	10	NPN	TO-92	-
BC556	-65	-0.1	120	500	-5	-2	-0.3	-1	-100	-5	150	280	-	-5	-10	PNP	TO-92	-
BC556B	-65	-0.1	180	460	-5	-2	-0.3	-1	-100	-5	150	280	-	-5	-10	PNP	TO-92	-
BC557	-45	-0.1	120	800	-5	-2	-0.3	-1	-100	-5	150	320	-	-5	-10	PNP	TO-92	-
BC557A	-45	-0.1	120	220	-5	-2	-0.3	-1	-100	-5	150	320	-	-5	-10	PNP	TO-92	-
BC557B	-45	-0.1	180	460	-5	-2	-0.3	-1	-100	-5	150	320	-	-5	-10	PNP	TO-92	-
BC557C	-45	-0.1	420	800	-5	-2	-0.3	-1	-100	-5	150	320	-	-5	-10	PNP	TO-92	-
BC558	-30	-0.1	120	800	-5	-2	-0.3	-1	-100	-5	150	360	-	-5	-10	PNP	TO-92	-
BC558B	-30	-0.1	180	460	-5	-2	-0.3	-1	-100	-5	150	360	-	-5	-10	PNP	TO-92	-
BC636-10	-45	-1	63	160	-2	-150	-0.5	-	-500	-50	100	-	-	-5	-50	NPN	TO-92	-
BC636-16	-45	-1	100	250	-2	-150	-0.5	-	-500	-50	100	-	-	-5	-50	NPN	TO-92	-
BC638	-60	-1	100	250	-2	-150	-0.5	-	-500	-50	100	-	-	-5	-50	PNP	TO-92	-
BC640	-100	-1	100	250	-2	-150	-0.5	-	-500	-50	100	-	-	-5	-50	NPN	TO-92	-
BC639-10	80	1	63	160	2	150	0.5	-	500	50	100	-	-	5	50	NPN	TO-92	-
BC639-16	80	1	100	250	2	150	0.5	-	500	50	100	-	-	5	50	NPN	TO-92	-
BF420	300	0.1	50	-	20	25	0.6	-	30	5	60	-	-	10	10	NPN	TO-92	-
BF422	250	0.1	50	-	20	25	0.6	-	30	5	60	-	-	10	10	NPN	TO-92	-
BF421	300	0.1	50	-	20	25	0.6	-	30	5	60	-	-	10	10	PNP	TO-92	-
BF423	250	0.1	50	-	20	25	0.6	-	30	5	60	-	-	10	10	PNP	TO-92	-
D965-R	22	5	340	950	2	500	0.35	-	3000	100	-	-	-	-	-	NPN	TO-92	-
MPS2222A	40	0.6	100	300	10	150	0.3	1.2	150	15	300	-	-	20	20	NPN	TO-92	-
MPS2907	-40	-0.6	100	300	-10	-150	-0.6	-1.2	-500	-50	200	-	-	-20	-50	PNP	TO-92	-
MPS2907-H	-40	-0.6	200	300	-10	-150	-0.6	-1.2	-500	-50	200	-	-	-20	-50	PNP	TO-92	-
MPS2907-L	-40	-0.6	100	200	-10	-150	-0.6	-1.2	-500	-50	200	-	-	-20	-50	PNP	TO-92	-
MPS2907A	-60	-0.6	100	300	-10	-150	-0.6	-1.2	-500	-50	200	-	-	-20	-50	PNP	TO-92	-
MPS2907A-H	-60	-0.6	200	300	-10	-150	-0.6	-1.2	-500	-50	200	-	-	-20	-50	PNP	TO-92	-
MPS2907A-L	-60	-0.6	100	200	-10	-150	-0.6	-1.2	-500	-50	200	-	-	-20	-50	PNP	TO-92	-
MPS3702	25	0.8	60	300	5	50	0.25	1	50	5	100	-	-	5	50	PNP	TO-92	-
MPS651	60	2	75	-	2	50	0.3	1.2	1000	100	75	-	-	5	50	NPN	TO-92	-
MPSA05	60	0.5	100	-	1	10	0.25	-	100	10	100	-	-	2	10	PNP	TO-92	-
MPSA06	80	0.5	100	-	1	10	0.25	-	100	10	100	-	-	2	20	NPN	TO-92	-
MPSA13	30	0.5	5000	-	5	10	1.5	-	100	0.1	125	-	-	5	10	NPN	TO-92	-
MPSA14	30	0.5	10000	-	5	10	1.5	-	100	0.1	125	-	-	5	10	NPN	TO-92	-
MPSA29	100	0.5	10000	-	5	10	1.5	2	100	0.1	125	-	-	5	10	NPN	TO-92	-
MPSA42	300	0.3	80	250	10	10	0.5	0.9	20	2	50	-	-	5	10	NPN	TO-92	-
MPSA43	200	0.3	80	250	10	10	0.4	0.9	20	2	50	-	-	5	10	NPN	TO-92	-
MPSA44	400	0.3	50	200	10	10	0.5	0.75	10	1	-	-	-	-	-	NPN	TO-92	-
MPSA55	80	0.5	100	-	1	10	0.25	-	100	10	50	-	-	1	100	PNP	TO-92	-
MPSA56	80	0.5	100	-	1	10	0.25	-	100	10	50	-	-	1	100	PNP	TO-92	-
MPSA92	-300	-0.3	80	250	-10	-10	-0.5	-0.9	-20	-2	50	-	-	-5	-10	PNP	TO-92	-
MPSA93	-200	-0.5	25	-	-10	-1	-0.5	-0.9	-20	-2	50	-	-	-20	-10	PNP	TO-92	-
MPSA94	-400	-0.2	80	300	-10	-10	-0.2	-0.75	-10	-1	-	-	-	-	-	PNP	TO-92	-
MPSH10	25	0.05	60	200	10	4	0.5	-	4	0.4	650	-	-	10	4	NPN	TO-92	-
PN2222-H	30	0.6	200	300	10	1	1	2	500	50	300	-	-	20	20	NPN	TO-92	-
PN2222-L	30	0.6	100	200	10	1	1	2	500	50	300	-	-	20	20	NPN	TO-92	-
PN2222A	40	0.6	100	300	10	150	0.3	1.2	150	15	300	-	-	20	20	NPN	TO-92	-
PN2907A	60	0.6	100	300	10	10	0.4	1.3	150	15	200	-	-	20	50	PNP	TO-92	-
S8050-B	25	0.5	85	150	1	50	0.6	1.2	500	50	150	-	-	6	20	NPN	TO-92	-
S8050-C	25	0.5	120	200	1	50	0.6	1.2	500	50	150	-	-	6	20	NPN	TO-92	-
S8050-D	25	0.5	160	300	1	50	0.6	1.2	500	50	150	-	-	6	20	NPN	TO-92	-
S8550-B	25	0.5	85	150	1	50	0.6	1.2	500	50	150	-	-	6	20	PNP	TO-92	-
S8550-C	25	0.5	120	200	1	50	0.6	1.2	500	50	150	-	-	6	20	PNP	TO-92	-
S8550-D	25	0.5	160	300	1	50	0.6	1.2	500	50	150	-	-	6	20	PNP	TO-92	-
S9012-G	25	0.5	112	166	4	1	0.6	1.2	500	50	150	-	-	6	20	PNP	TO-92	-
S9012-H	25	0.5	144	202	4	1	0.6	1.2	500	50	150	-	-	6	20	PNP	TO-92	-



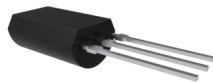
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## SMALL SIGNAL & POWER TRANSISTORS

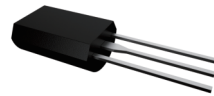
Part Number	V <sub>CEO</sub> (V)	I <sub>C</sub> (A)	hFE @ V <sub>CE</sub> & I <sub>C</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>C</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>C</sub>					Polarity	Package	Marking Code
			hFE	hFE	V <sub>CE</sub>	I <sub>C</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>C</sub>	I <sub>B</sub>	f <sub>T</sub> Min.	TPY.	f <sub>T</sub> Max.	V <sub>CE</sub>	I <sub>C</sub>			
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)			
S9012-I	25	0.5	190	300	4	1	0.6	1.2	500	50	150	-	-	6	20	PNP	TO-92	-
S9013-G	25	0.5	112	166	1	50	0.6	1.2	500	50	150	-	-	6	20	NPN	TO-92	-
S9013-H	25	0.5	144	202	1	50	0.6	1.2	500	50	150	-	-	6	20	NPN	TO-92	-
S9013-I	25	0.5	190	300	1	50	0.6	1.2	500	50	150	-	-	6	20	NPN	TO-92	-
S9014-B	45	0.1	100	300	5	1	0.3	1	100	5	150	-	-	5	10	NPN	TO-92	-
S9014-C	45	0.1	200	600	5	1	0.3	1	100	5	150	-	-	5	10	NPN	TO-92	-
S9014-D	45	0.1	400	1000	5	1	0.3	1	100	5	150	-	-	5	10	NPN	TO-92	-
S9015-B	-45	-0.1	100	300	-5	-1	-0.3	-1	-100	-10	150	-	-	-5	-10	PNP	TO-92	-
S9015-C	-45	-0.1	200	600	-5	-1	-0.3	-1	-100	-10	150	-	-	-5	-10	PNP	TO-92	-
S9015-D	-45	-0.1	400	1000	-5	-1	-0.3	-1	-100	-10	150	-	-	-5	-10	PNP	TO-92	-
S9018-G	18	0.05	70	108	5	1	0.5	1.4	10	1	600	-	-	5	5	NPN	TO-92	-
S9018-H	18	0.05	97	146	5	1	0.5	1.4	10	1	600	-	-	5	5	NPN	TO-92	-
S9018-I	18	0.05	130	198	5	1	0.5	1.4	10	1	600	-	-	5	5	NPN	TO-92	-
SS8050-C	25	1.5	120	200	1	100	0.5	1.2	800	80	190	-	-	10	50	NPN	TO-92	-
SS8050-D	25	1.5	160	300	1	100	0.5	1.2	800	80	190	-	-	10	50	NPN	TO-92	-
SS8550-C	25	1.5	120	200	1	100	0.8	1.2	800	80	190	-	-	10	50	PNP	TO-92	-
SS8550-D	25	1.5	160	300	1	100	0.8	1.2	800	80	190	-	-	10	50	PNP	TO-92	-
ZTX450	45	1	100	300	10	150	0.25	1.1	150	15	150	-	-	10	50	NPN	TO-92	-
2SA1020L-O	-50	-2	70	140	-2	500	-0.5	-1.2	-1000	-50	-	100	-	-2	-500	PNP	TO-92L	-
2SA1020L-Y	-50	-2	120	240	-2	500	-0.5	-1.2	-1000	-50	-	100	-	-2	-500	PNP	TO-92L	-
2SA684	-50	-1	85	340	-10	-500	-0.4	-1.2	-500	-50	-	200	-	-10	-50	PNP	TO-92L	-
2SB562-B	20	1	85	170	2	500	0.5	-	800	80	-	350	-	2	500	NPN	TO-92L	-
2SB562-C	20	1	120	240	2	500	0.5	-	800	80	-	350	-	2	500	NPN	TO-92L	-
2SB647L-C	-80	-1	100	200	-5	-150	-1	-	-500	-50	-	140	-	-5	-150	PNP	TO-92L	-
2SB647L-D	-80	-1	160	320	-5	-150	-1	-	-500	-50	-	140	-	-5	-150	PNP	TO-92L	-
2SC2655L-O	50	2	70	140	2	500	0.5	1.2	1000	50	-	100	-	2	500	NPN	TO-92L	-
2SC2655L-Y	50	2	120	240	2	500	0.5	1.2	1000	50	-	100	-	2	500	NPN	TO-92L	-
2SD468-B	20	1	85	170	2	500	0.5	-	800	80	-	190	-	2	500	NPN	TO-92L	-
2SD468-C	20	1	120	240	2	500	0.5	-	800	80	-	190	-	2	500	NPN	TO-92L	-
2SD667L-C	80	1	100	200	5	150	1	-	500	50	-	140	-	5	150	NPN	TO-92L	-
2SD667L-D	80	1	160	320	5	150	1	-	500	50	-	140	-	5	150	NPN	TO-92L	-
KTC3205-O	30	2	100	200	2	500	2	-	1.5	30	-	120	-	2	500	NPN	TO-92L	-
KTC3205-Y	30	2	160	320	2	500	2	-	1.5	30	-	120	-	2	500	NPN	TO-92L	-
TPT5609-A	20	1	60	120	2	500	0.5	-	800	80	-	190	-	2	500	NPN	TO-92L	-
TPT5609-B	20	1	85	170	2	500	0.5	-	800	80	-	190	-	2	500	NPN	TO-92L	-
TPT5609-C	20	1	120	240	2	500	0.5	-	800	80	-	190	-	2	500	NPN	TO-92L	-
2SA1013-O	160	1	120	200	-5	-200	-1.5	-	-500	-50	15	-	-	-5	-200	PNP	TO-92MOD	-
2SA1013-R	160	1	60	120	-5	-200	-1.5	-	-500	-50	15	-	-	-5	-200	PNP	TO-92MOD	-
2SA1013-Y	160	1	200	300	-5	-200	-1.5	-	-500	-50	15	-	-	-5	-200	PNP	TO-92MOD	-
2SA1020-O	-50	-2	70	140	-2	-500	-0.5	-1.2	-1000	-50	-	100	-	-2	-500	PNP	TO-92MOD	-
2SA1020-Y	-50	-2	120	240	-2	-500	-0.5	-1.2	-1000	-50	-	100	-	-2	-500	PNP	TO-92MOD	-
2SB647A-B	-100	-1	60	120	-5	-150	-1	-	-500	-50	140	-	-	-5	-150	PNP	TO-92MOD	-
2SB647A-C	-100	-1	100	200	-5	-150	-1	-	-500	-50	140	-	-	-5	-150	PNP	TO-92MOD	-
2SB647-B	-80	-1	60	120	-5	-150	-1	-	-500	-50	140	-	-	-5	-150	PNP	TO-92MOD	-
2SB647-C	-80	-1	100	200	-5	-150	-1	-	-500	-50	140	-	-	-5	-150	PNP	TO-92MOD	-
2SB647-D	-80	-1	160	320	-5	-150	-1	-	-500	-50	140	-	-	-5	-150	PNP	TO-92MOD	-
2SC2655-O	50	2	70	140	2	500	0.5	1.2	1000	50	-	100	-	2	500	NPN	TO-92MOD	-
2SC2655-Y	50	2	120	240	2	500	0.5	1.2	1000	50	-	100	-	2	500	NPN	TO-92MOD	-
2SC2383-O	160	1	100	200	5	200	1	-	500	50	20	-	-	5	200	NPN	TO-92MOD	-
2SC2383-R	160	1	60	120	5	200	1	-	500	50	20	-	-	5	200	NPN	TO-92MOD	-
2SC2383-Y	160	1	160	320	5	200	1	-	500	50	20	-	-	5	200	NPN	TO-92MOD	-
2SC2482-Y	300	0.1	30	150	10	20	1	1	10	1	50	-	-	10	20	NPN	TO-92MOD	-
2SD667A-B	100	1	60	120	5	150	1	-	500	50	-	140	-	5	150	NPN	TO-92MOD	-
2SD667A-C	100	1	100	200	5	150	1	-	500	50	-	140	-	5	150	NPN	TO-92MOD	-
2SD667A-D	100	1	160	320	5	150	1	-	500	50	-	140	-	5	150	NPN	TO-92MOD	-
2SD667-B	80	1	60	120	5	150	1	-	500	50	-	140	-	5	150	NPN	TO-92MOD	-
2SD667-C	80	1	100	200	5	150	1	-	500	50	-	140	-	5	150	NPN	TO-92MOD	-



TO-92



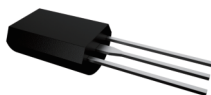
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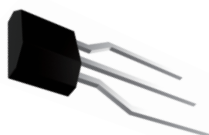
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## SMALL SIGNAL & POWER TRANSISTORS

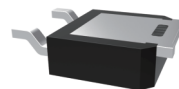
Part Number	V <sub>CEO</sub> (V)	I <sub>c</sub> (A)	hFE @ V <sub>CE</sub> & I <sub>c</sub>				V <sub>CE(sat)</sub> & V <sub>BE(sat)</sub> @ I <sub>c</sub> & I <sub>B</sub>				f <sub>T</sub> @ V <sub>CE</sub> & I <sub>c</sub>					Polarity	Package	Marking Code	
			hFE	hFE	V <sub>CE</sub>	I <sub>c</sub>	V <sub>CE(sat)</sub>	V <sub>BE(sat)</sub>	I <sub>c</sub>	I <sub>B</sub>	f <sub>T</sub> Min.	TPY.	f <sub>T</sub> Max.	V <sub>CE</sub>	I <sub>c</sub>				
			Min.	Max.	(V)	(mA)	Max.(V)	Max.(V)	(mA)	(mA)	(MHz)	(MHz)	(MHz)	(V)	(mA)				
2SD667-D	80	1	160	320	5	150	1	-	500	50	-	140	-	5	150	NPN	TO-92MOD	-	
MPSW51AM	-40	-1	55	-	-1	-10	-0.7	-	-1000	-100	50	-	-10	-50	-	PNP	TO-92MOD	-	
2SA1048-GR	-50	-0.15	200	400	-6	-2	-0.3	-	-100	-10	80	-	-10	-1	-	PNP	TO-92S	-	
2SA1048-Y	-50	-0.15	120	240	-6	-2	-0.3	-	-100	-10	80	-	-10	-1	-	PNP	TO-92S	-	
2SA1585S-Q	-20	-2	120	170	-2	-100	-0.82	-	-2000	-100	200	-	-2	-500	-	PNP	TO-92S	-	
2SA1585S-R	-20	-2	180	390	-2	-100	-0.82	-	-2000	-100	200	-	-2	-500	-	PNP	TO-92S	-	
2SA933AS-Q	-50	-0.15	120	270	-2	-100	-0.5	-	-2000	-100	120	-	-2	-500	-	PNP	TO-92S	-	
2SA933AS-R	-50	-0.15	180	390	-2	-100	-0.5	-	-2000	-100	120	-	-2	-500	-	PNP	TO-92S	-	
2SA933AS-S	-50	-0.15	270	560	-2	-100	-0.5	-	-2000	-100	120	-	-2	-500	-	PNP	TO-92S	-	
2SC1740S-Q	50	0.15	120	270	2	100	0.4	-	2000	100	100	-	2	500	-	NPN	TO-92S	-	
2SC1740S-R	50	0.15	180	390	2	100	0.4	-	2000	100	100	-	2	500	-	NPN	TO-92S	-	
2SC1740S-S	50	0.15	270	560	2	100	0.4	-	2000	100	100	-	2	500	-	NPN	TO-92S	-	
2SC2458-GR	50	0.15	200	400	6	2	0.25	-	100	10	80	-	10	1	-	NPN	TO-92S	-	
2SC2458-Y	50	0.15	120	240	6	2	0.25	-	100	10	80	-	10	1	-	NPN	TO-92S	-	
2SC2668-R	30	0.02	40	80	6	1	-	-	-	-	-	550	-	6	1	-	NPN	TO-92S	-
2SC2668-O	30	0.02	70	140	6	1	-	-	-	-	-	550	-	6	1	-	NPN	TO-92S	-
2SC2668-Y	30	0.02	100	200	6	1	-	-	-	-	-	550	-	6	1	-	NPN	TO-92S	-
2SC4115S-Q	20	3	120	270	2	100	0.5	-	2000	100	200	-	2	500	-	NPN	TO-92S	-	
2SC4115S-R	20	3	180	390	2	100	0.5	-	2000	100	200	-	2	500	-	NPN	TO-92S	-	
2SC4115S-S	20	3	270	560	2	100	0.5	-	2000	100	200	-	2	500	-	NPN	TO-92S	-	
KTA1267-GR	50	0.15	200	400	6	2	0.3	-	100	10	80	-	10	1	-	PNP	TO-92S	-	
KTA1267-O	50	0.15	70	140	6	2	0.3	-	100	10	80	-	10	1	-	PNP	TO-92S	-	
KTA1267-Y	50	0.15	120	240	6	2	0.3	-	100	10	80	-	10	1	-	PNP	TO-92S	-	
KTC3199-BL	50	0.15	300	700	6	2	0.1	-	100	10	80	-	10	1	-	NPN	TO-92S	-	
KTC3199-GR	50	0.15	200	400	6	2	0.1	-	100	10	80	-	10	1	-	NPN	TO-92S	-	
KTC3199-O	50	0.15	70	140	6	2	0.1	-	100	10	80	-	10	1	-	NPN	TO-92S	-	
KTC3199-Y	50	0.15	120	240	6	2	0.1	-	100	10	80	-	10	1	-	NPN	TO-92S	-	
2SB1182-P	-32	-2	82	180	-3	-500	-0.8	-	-2000	-200	-	100	-	-5	-500	-	PNP	DPAK	-
2SB1182-Q	-32	-2	120	270	-3	-500	-0.8	-	-2000	-200	-	100	-	-5	-500	-	PNP	DPAK	-
2SB1182-R	-32	-2	180	390	-3	-500	-0.8	-	-2000	-200	-	100	-	-5	-500	-	PNP	DPAK	-
2SB1184-P	-50	-3	82	180	-3	-500	-1	-	-2000	-200	-	70	-	-5	-500	-	PNP	DPAK	-
2SB1184-Q	-50	-3	120	270	-3	-500	-1	-	-2000	-200	-	70	-	-5	-500	-	PNP	DPAK	-
2SB1184-R	-50	-3	180	390	-3	-500	-1	-	-2000	-200	-	70	-	-5	-500	-	PNP	DPAK	-
2SB1261	-60	-3	100	200	-2	-600	-0.3	-1.2	-1500	-150	-	50	-	-5	-1500	-	PNP	DPAK	-
2SB1412-P	-30	-5	82	180	-2	-500	-1	-	-4000	-100	-	120	-	-6	-500	-	PNP	DPAK	-
2SB1412-Q	-30	-5	120	270	-2	-500	-1	-	-4000	-100	-	120	-	-6	-500	-	PNP	DPAK	-
2SB1412-R	-30	-5	180	390	-2	-500	-1	-	-4000	-100	-	120	-	-6	-500	-	PNP	DPAK	-
2SD1815-Q	100	3	70	140	5	500	0.4	1.2	1500	150	-	180	-	10	500	-	NPN	DPAK	-
2SD1815-R	100	3	100	200	5	500	0.4	1.2	1500	150	-	180	-	10	500	-	NPN	DPAK	-
2SD1815-S	100	3	140	280	5	500	0.4	1.2	1500	150	-	180	-	10	500	-	NPN	DPAK	-
2SD1815-T	100	3	200	400	5	500	0.4	1.2	1500	150	-	180	-	10	500	-	NPN	DPAK	-
2SD1899-M	60	3	100	200	2	600	0.25	1.2	1500	150	-	120	-	5	1500	-	NPN	DPAK	-
2SD1899-L	60	3	160	320	2	600	0.25	1.2	1500	150	-	120	-	5	1500	-	NPN	DPAK	-
2SD1899-K	60	3	200	400	2	600	0.25	1.2	1500	150	-	120	-	5	1500	-	NPN	DPAK	-
2SC2983-Y	160	1.5	120	240	5	100	1.5	-	500	50	-	100	-	10	100	-	NPN	DPAK	-
B772-GR	-30	-3	200	400	-2	-1000	-0.5	-1.5	-2000	-200	50	-	-5	-100	-	PNP	DPAK	-	
B772-O	-30	-3	100	200	-2	-1000	-0.5	-1.5	-2000	-200	50	-	-5	-100	-	PNP	DPAK	-	
B772-R	-30	-3	60	120	-2	-1000	-0.5	-1.5	-2000	-200	50	-	-5	-100	-	PNP	DPAK	-	
B772-Y	-30	-3	160	320	-2	-1000	-0.5	-1.5	-2000	-200	50	-	-5	-100	-	PNP	DPAK	-	
MJD112	100	2	1000	12000	3	2000	2	-	2000	8	25	-	10	750	-	NPN	DPAK	-	
MJD122	100	8	1000	12000	-4	-4000	-4	-4.5	-8000	-80	-	-	-	-	-	NPN	DPAK	-	
MJD127	-100	-8	1000	12000	-4	-4000	-4	-4.5	-8000	-80	-	-	-	-	-	PNP	DPAK	-	
MJD31C	100	3	10	50	4	3000	1.2	-	3000	375	3	-	10	500	-	NPN	DPAK	-	
MJD32C	-100	-3	10	50	-4	-3000	-1.2	-	-3000	-375	3	-	-10	-500	-	PNP	DPAK	-	
MJD42C	-100	-6	15	75	-4	-3000	-1.5	-	-6000	-600	3	-	-10	-500	-	PNP	DPAK	-	
MMJD2955	-60	-10	20	100	-4	-4000	-1.1	-	-4000	-400	2	-	-10	-500	-	PNP	DPAK	-	
MMJD3055	60	10	20	100	4	4000	1.1	-	4000	400	2	-	10	500	-	NPN	DPAK	-	



TO-92MOD



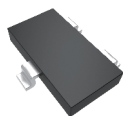
TO-92S



DPAK

## DIGITAL TRANSISTORS

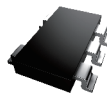
Part Number	Power Dissipation	Output Current	Supply Voltage	DC Current Gain	Output Voltage	Input	Input	Transition Frequency	Package	Polarity	Marking Code	Internal Diagram
	Pd(mW)	Io(mA)	Vcc(V)	Gi	Vo(V)	R1(Ω)	R2(Ω)	Ft(MHZ)				
DTA114ECA	200	-100	-50	30	-0.3	10K	10K	250	SOT-23	PNP	14	Fig.4
DTA114TCA	200	-100	-50	250	-0.3	10K	0	250	SOT-23	PNP	94	Fig.1
DTA114YCA	200	-100	-50	6.8	-0.3	10K	47K	250	SOT-23	PNP	54	Fig.4
DTA123JCA	200	100	50	80	0.1	2.2K	47K	250	SOT-23	PNP	E32	Fig.4
DTA124ECA	200	-100	-50	56	-0.3	22K	22K	250	SOT-23	PNP	15	Fig.4
DTA143ECA	200	-100	-50	30	-0.3	4.7K	4.7K	250	SOT-23	PNP	13	Fig.4
DTA143XCA	200	-100	-50	30	-0.1	4.7K	9.4K	250	SOT-23	PNP	33	Fig.4
DTA143ZCA	200	-100	-50	80	-0.3	47K	47K	250	SOT-23	PNP	E13	Fig.4
DTA144ECA	200	-100	-50	68	-0.3	47K	47K	250	SOT-23	PNP	16	Fig.4
DTC113ZCA	200	100	50	33	0.3	1K	10K	250	SOT-23	NPN	E21	Fig.2
DTC114ECA	200	100	50	30	0.3	10K	10K	250	SOT-23	NPN	24	Fig.2
DTC114TCA	200	100	50	300	0.3	10K	0	250	SOT-23	NPN	4	Fig.1
DTC114YCA	200	100	50	68	0.3	10K	47K	250	SOT-23	NPN	64	Fig.2
DTC123JCA	200	100	50	80	0.3	2.2K	47K	250	SOT-23	NPN	E42	Fig.2
DTC123YCA	200	100	50	33	0.1	2.2K	10K	250	SOT-23	NPN	62	Fig.2
DTC124ECA	200	100	50	56	0.1	22K	22K	250	SOT-23	NPN	25	Fig.2
DTC143ECA	200	100	50	30	0.3	4.7K	4.7K	250	SOT-23	NPN	23	Fig.2
DTC143TCA	200	100	50	100	0.3	4.7K	-	250	SOT-23	NPN	3	Fig.1
DTC143TE	150	100	50	100	0.3	4.7K	-	250	SOT-23	NPN	3	Fig.1
DTC143XCA	200	100	50	30	0.3	4.7K	9.4K	250	SOT-23	NPN	43	Fig.2
DTC143ZCA	200	100	50	80	0.3	4.7K	47K	250	SOT-23	NPN	E23	Fig.2
DTC144ECA	200	100	50	68	0.3	47K	47K	250	SOT-23	NPN	26	Fig.2
DTC144TCA	200	100	50	300	0.3	47K	0	250	SOT-23	NPN	6	Fig.1
DTA114EUA	200	-100	-50	30	-0.3	10K	10K	250	SOT-323	PNP	14	Fig.4
DTA114TUA	200	-100	-50	250	0.3	10K	0	250	SOT-323	PNP	94	Fig.3
DTA114YUA	200	-100	-50	68	-	10K	47K	250	SOT-323	PNP	94	Fig.4
DTA123JUA	200	-100	-50	80	-0.3	22K	47K	250	SOT-323	PNP	132	Fig.4
DTA123YUA	200	-100	-50	33	-0.3	2.2K	10K	250	SOT-323	PNP	52	Fig.4
DTA124EUA	200	-100	-50	56	-0.3	22K	22K	250	SOT-323	PNP	15	Fig.4
DTA143EUA	200	-100	-50	30	-0.3	4.7K	4.7K	250	SOT-323	PNP	13	Fig.4
DTA143XUA	200	-100	-50	30	-0.1	4.7K	9.4K	250	SOT-323	PNP	33	Fig.4
DTA143ZUA	200	-100	-50	80	-0.3	4.7K	47K	250	SOT-323	PNP	113	Fig.4
DTA144EUA	200	-100	-50	68	-0.3	47K	47K	250	SOT-323	PNP	16	Fig.4
DTC113ZUA	200	100	50	33	0.3	1K	10K	250	SOT-323	NPN	E21	Fig.2
DTC114EUA	200	100	50	30	0.1	10K	10K	250	SOT-323	NPN	24	Fig.2
DTC114TUA	200	100	50	300	0.3	10K	0	250	SOT-323	NPN	4	Fig.1
DTC114YUA	200	100	50	68	0.1	10K	47K	250	SOT-323	NPN	64	Fig.2
DTC123JUA	200	100	50	80	0.1	2.2K	47K	250	SOT-323	NPN	E42	Fig.2
DTC123YUA	200	100	50	33	0.3	2.2K	10K	250	SOT-323	NPN	62	Fig.2
DTC124EUA	200	100	50	56	0.1	22K	22K	250	SOT-323	NPN	25	Fig.2
DTC143EUA	200	100	50	20	0.3	4.7K	4.7K	250	SOT-323	NPN	23	Fig.2
DTC143TUA	200	100	50	300	0.3	4.7K	0	250	SOT-323	NPN	3	Fig.1
DTC143XUA	200	100	50	30	0.1	4.7K	9.4K	250	SOT-323	NPN	43	Fig.2
DTC143ZUA	200	100	50	80	0.1	4.7K	47K	250	SOT-323	NPN	E23	Fig.2
DTC144EUA	200	100	50	68	0.3	47K	47K	250	SOT-323	NPN	26	Fig.2
DTC144TUA	200	100	50	300	0.3	47K	0	250	SOT-323	NPN	6	Fig.1
UMC4N	150	100	50	68	0.3	47K	47K	250	SOT-353	"NPNPNP"	C4	Fig.8
UMG8N	150	100	50	80	0.3	4.7K	47K	250	SOT-353	NPN	G8	Fig.9
UMD10N	150	100	50	80	0.1	2.2K	42K	250	SOT-363	-	D10	Fig.6



SOT-23



SOT-323



SOT-353



SOT-363

## DIGITAL TRANSISTORS

Part Number	Power Dissipation	Output Current	Supply Voltage	DC Current Gain	Output Voltage	Input	Input	Transistion Frequency	Package	Polarity	Marking Code	Internal Diagram
	Pd(mW)	Io(mA)	Vcc(V)	Gi	Vo(V)	R1(Ω)	R2(Ω)	Ft(MHZ)				
UMD2N	150	100	50	56	0.1	22K	22K	250	SOT-363	-	D2	Fig.6
UMD3N	150	100	50	30	0.3	10K	10K	250	SOT-363	-	D3	Fig.6
UMD9N	150	100	50	68	0.3	10K	47K	250	SOT-363	-	D9	Fig.6
UMD12N	150	100	50	68	0.3	47K	47K	250	SOT-363	-	D12	Fig.6
UMD22N	150	100	50	80	0.3	4.7K	47K	250	SOT-363	-	D22	Fig.6
UMH10N	150	100	50	80	0.1	2.2K	42K	250	SOT-363	NPN	H10	Fig.5
UMH11N	150	50	50	30	0.3	10K	10K	250	SOT-363	NPN	H11	Fig.5
UMH1N	150	100	50	56	0.1	22K	22K	250	SOT-363	NPN	H1	Fig.5
UMH2N	150	100	50	68	0.3	47K	47K	250	SOT-363	NPN	H2	Fig.5
UMH9N	150	70	50	68	0.3	10K	47K	250	SOT-363	NPN	H9	Fig.5
DTA114EE	150	-100	-50	30	-0.3	10K	10K	250	SOT-523	PNP	14	Fig.4
DTA114TE	150	-100	-50	250	0.3	10K	0	250	SOT-523	PNP	94	Fig.3
DTA123JE	150	-100	-50	80	-0.3	2.2K	47K	250	SOT-523	PNP	E32	Fig.4
DTA124EE	150	-100	-50	56	-0.3	22K	22K	250	SOT-523	PNP	15	Fig.4
DTA133EE	150	-100	-50	30	-0.3	4.7K	4.7K	250	SOT-523	PNP	13	Fig.4
DTA143ZE	150	-100	-50	80	-0.3	4.7K	47K	250	SOT-523	PNP	E13	Fig.4
DTA144EE	150	-100	-50	68	-0.3	47K	47K	250	SOT-523	PNP	16	Fig.4
DTC114EE	150	100	50	30	0.3	10K	10K	250	SOT-523	NPN	24	Fig.2
DTC114TE	150	100	50	300	0.3	10K	0	250	SOT-523	NPN	4	Fig.1
DTC114YE	150	100	50	68	0.1	10K	47K	250	SOT-523	NPN	64	Fig.2
DTC124EE	150	100	50	56	0.1	22K	22K	250	SOT-523	NPN	25	Fig.2
DTC143ZE	150	100	50	80	0.1	4.7K	47K	250	SOT-523	NPN	E23	Fig.2
DTC144EE	150	100	50	68	0.3	47K	47K	250	SOT-523	NPN	26	Fig.2
DTC144TE	150	100	50	300	0.3	47K	0	250	SOT-523	NPN	6	Fig.1
DTA114EM	150	100	50	30	0.3	10K	10K	250	SOT-723	NPN	24	Fig.2
DTA144EM	150	100	50	250	0.3	47K	47K	250	SOT-723	NPN	26	Fig.2
DTA114ESA	300	-50	-50	30	-0.3	10K	10K	250	TO-92S	PNP	-	Fig.4
DTC114ESA	300	100	50	30	0.3	10K	10K	250	TO-92S	NPN	-	Fig.2
DTC124ESA	300	100	50	56	0.1	22K	22K	250	TO-92S	NPN	-	Fig.2
DTC143ESA	300	100	50	20	0.3	4.7K	4.7K	250	TO-92S	NPN	-	Fig.2
DTC144TSA	300	100	50	600		4.7K	0	250	TO-92S	NPN	-	Fig.2

### Pin Configuration

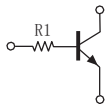


Fig.1

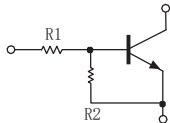


Fig.2



Fig. 3

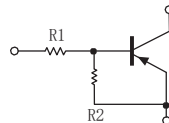


Fig. 4

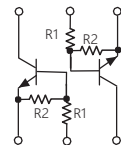


Fig. 5

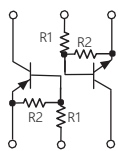


Fig. 6

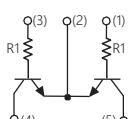


Fig. 7

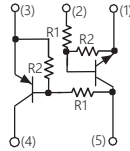


Fig. 8

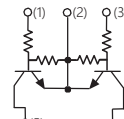


Fig. 9



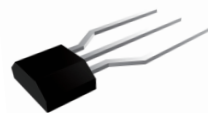
SOT-363



SOT-523



SOT-723



TO-92S

## ESD PROTECTION DEVICES

Part Number	Reverse Standoff Voltage	Breakdown Voltage Min@IT	Peak Power Dissipation	Maximum Peak Pulse Current	Maximum Reverse Leakage	Maximum Clamping Voltage	MAX C <sub>j</sub> @VR=0V, f=1MHZ	Package	Internal Diagram
	V <sub>RRM</sub> (V)	V <sub>BR</sub> (V)	P <sub>PK</sub> (mW)	I <sub>PP</sub> (A)	I <sub>r</sub> @ V <sub>RRM</sub> (uA)	V <sub>c</sub> @MAX I <sub>PP</sub> (V)	(pF)		
ESD12VD3	12.0	15.75	350.0	12.0	1.00	22.0	150.0	SOD-323	Fig.1
ESD12VD3B	12.0	13.50	350.0	1.0	1.00	15.5	100.0	SOD-323	Fig.10
ESD3V3D3	3.3	5.00	500.0	7.0	1.00	9.3	100.0	SOD-323	Fig.1
ESD5V0D3	5.0	7.30	350.0	15.0	1.00	9.8	350.0	SOD-323	Fig.1
ESD5V0D3B	5.0	5.80	500.0	1.0	1.00	9.8	35.0	SOD-323	Fig.10
ESDLC12VD3B	12.0	13.30	350.0	1.0	1.00	19.0	3.0	SOD-323	Fig.6
ESDLC3V3D3	3.3	4.00	350.0	1.0	20.00	7.0	4.5	SOD-323	Fig.5
ESDLC3V3D3B	3.3	4.00	350.0	1.0	1.00	7.0	4.5	SOD-323	Fig.6
ESDLC3V3D3B	3.3	4.00	350.0	20.0	0.10	8.0	1.5	SOD-323	Fig.6
ESDLC5V0D3	5.0	6.00	350.0	1.0	5.00	9.8	5.0	SOD-323	Fig.5
ESDLC5V0D3B	5.0	6.00	350.0	1.0	1.00	9.8	5.0	SOD-323	Fig.6
ESDLC5V0D3B	5.0	6.00	350.0	18.0	0.50	19.5	3.0	SOD-323	Fig.6
SD05C	5.0	6.00	350.0	24.0	1.00	13.5	125.0	SOD-323	Fig.10
SD15C	15.0	16.70	350.0	24.0	1.00	40.0	75.0	SOD-323	Fig.10
SD24C	24.0	26.70	350.0	24.0	1.00	44.0	50.0	SOD-323	Fig.10
ESD12VD5	12.0	14.10	240.0	23.0	0.02	29.0	55.0	SOD-523	Fig.1
ESD3V3D5	3.3	5.00	158.0	11.2	0.08	9.4	105.0	SOD-523	Fig.1
ESD5V0D5	5.0	6.20	174.0	9.4	0.08	11.6	80.0	SOD-523	Fig.1
ESD5V0D5B	5.0	8.80	150.0	5.0	1.00	9.5	27.0	SOD-523	Fig.10
ESD7V0D5	7.0	7.50	200.0	13.5	0.03	22.7	65.0	SOD-523	Fig.1
ESDLC5V0D5B	5.0	7.80	-	5.0	0.10	12.0	12.0	SOD-523	Fig.10
ESD12VD7	12.0	13.50	128.0	5.4	1.00	23.7	30.0	SOD-723	Fig.1
ESD3V3D7	3.3	5.00	113.0	10.4	2.50	11.9	80.0	SOD-723	Fig.1
ESD5V0D7	5.0	6.20	117.0	8.8	1.00	13.3	65.0	SOD-723	Fig.1
ESD5V0LP	5.0	6.20	107.0	8.7	1.00	12.3	65.0	SOD-882	Fig.1
ESD5V0LPB	5.0	8.80	-	5.0	0.10	10.0	30.0	SOD-882	Fig.10
ESDLC5V0LPB	5.0	8.00	-	5.0	0.10	12.5	15.0	SOD-882	Fig.10
ESDLC5V0LP	5.0	5.40	-	1.0	1.00	10.0	0.9	SOD-882	Fig.1
ESDLC5V0LPB	5.0	8.00	-	5.0	1.00	10.0	2.0	SOD-882	Fig.10
ESDLC3V3LPBE	3.3	4.80	-	1.0	1.00	10.0	0.9	SOD-882E	Fig.10
ESD12VD9	12.0	13.50	100.0	1.0	1.00	18.4	15.0	SOD-923	Fig.1
ESD3V3D9	3.3	5.00	100.0	1.0	1.00	5.8	50.0	SOD-923	Fig.1
ESD3V3D9B	3.3	4.00	80.0	-	1.00	-	8.0	SOD-923	Fig.15
ESD5V0D9	5.0	7.20	-	1.0	1.00	9.0	40.0	SOD-923	Fig.1
ESD5V0D9B	5.0	7.80	80.0	-	1.00	-	15.0	SOD-923	Fig.10
ESD7V0D9	7.0	8.00	100.0	1.0	1.00	10.0	30.0	SOD-923	Fig.1
ESDLC5V0D9	5.0	8.50	100.0	1.0	1.00	9.8	0.5	SOD-923	Fig.1
ESDLC5V0D9B	5.0	7.80	80.0	-	1.00	-	2.1	SOD-923	Fig.10
ESDLC5V0D9B	5.0	7.80	80.0	-	1.00	-	0.6	SOD-923	Fig.10
ESD2V8P8U	2.8	3.00	400.0	1.0	1.00	5.5	3.0	SOP-8	Fig.7
ESDLC2V8P8U	2.8	3.00	400.0	1.0	1.00	5.0	0.7	SOP-8	Fig.7
LC03-3.3	3.3	3.50	1800.0	100.0	0.50	18.0	25.0	SOP-8	Fig.20
ESD5V0T143-4U	5.0	6.00	500.0	1.0	5.00	9.8	3.0	SOT-143	Fig.9
SR70	70.0	85.00	-	1.0	5.00	1.5	10.0	SOT-143	Fig.14
ESD3V3AP	3.3	5.00	300.0	1.0	10.00	7.5	150.0	SOT-23	Fig.2
ESDA6V1L	5.3	7.20	300.0	-	20.00	-	140.0	SOT-23	Fig.2
ESDLC5V0T2	5.0	7.20	500.0	5.0	0.50	8.0	3.0	SOT-23	Fig.13
ESDLC5V0C2	5.0	6.00	650.0	25.0	1.00	26.0	2.0	SOT-23	Fig.19
SLVU2.8	2.8	3.00	500.0	1.0	1.00	5.0	13.0	SOT-23	Fig.13
Sm05	5.0	6.20	300.0	12.0	10.00	9.8	110.0	SOT-23	Fig.2
SM12	12.0	15.75	300.0	11.2	1.00	19.0	60.0	SOT-23	Fig.2
SM12C	12.0	15.75	300.0	11.2	1.00	19.0	95.0	SOT-23	Fig.16
SM22	22.0	26.50	300.0	1.0	1.00	44.0	80.0	SOT-23	Fig.2
SM712	12.0	13.30	400.0	5.0	1.00	21.0	45.0	SOT-23	Fig.12
SRV05-4L	5.0	6.00	350.0	1.0	1.00	12.5	1.5	SOT23-6L	Fig.8
ESD12VK4	12.0	13.30	220.0	9.0	1.00	24.0	45.0	SOT23-6L	Fig.17
ESDA6V1-4L	5.0	6.10	80.0	3.0	1.00	12.0	10.0	SOT23-6L	Fig.18
ESD5V0J4	5.0	7.20	200.0	5.0	5.00	12.5	90.0	SOT-353	Fig.4
ESDLC5V0J4	5.0	7.20	20.0	1.6	1.00	9.8	14.5	SOT-353	Fig.4
ESD5V0K5	5.0	7.20	100.0	8.0	5.00	12.5	130.0	SOT-363	Fig.3
ESDLC5V0K5	5.0	7.20	100.0	1.6	1.00	10.8	10.5	SOT-363	Fig.3
ESDLC5V0T5	5.0	5.60	125.0	5.0	1.00	13.5	2.0	SOT-523	Fig.2
ESD5V0L4	5.0	7.20	200.0	5.0	5.00	13.5	80.0	SOT-553	Fig.4



SOD-323



SOD-523



SOD-723



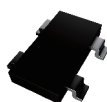
SOD-882



SOD-923



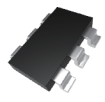
SOP-8



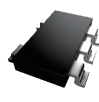
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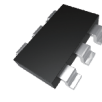
SOT-23



SOT23-6L



SOT-353



SOT-363



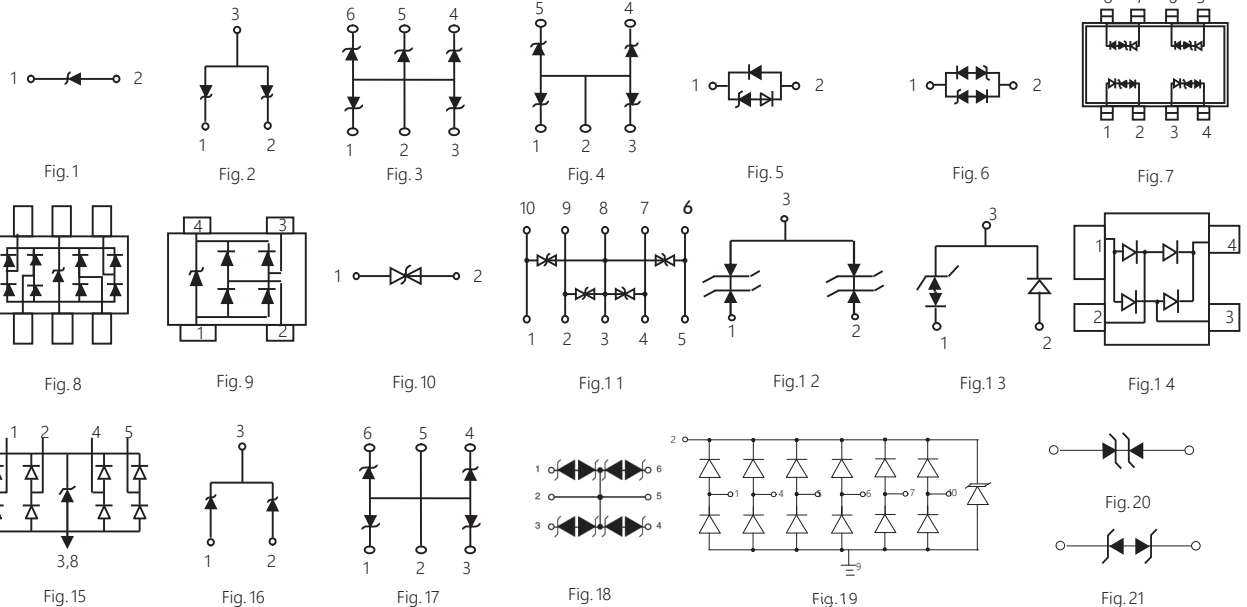
SOT-523

## ESD PROTECTION DEVICES

Part Number	Reverse Standoff Voltage	Breakdown Voltage Min@IT	Peak Power Dissipation	Maximum Peak Pulse Current	Maximum Reverse Leakage	Maximum Clamping Voltage	MAX Cj@VR=0V, f=1MHZ	Package	Internal Diagram
	V <sub>RWM</sub> (V)	V <sub>BR</sub> (V)	P <sub>PK</sub> (mW)	I <sub>PP</sub> (A)	I <sub>r</sub> @ V <sub>RWM</sub> (uA)	V <sub>c</sub> @MAX I <sub>PP</sub> (V)	(pF)		
ESDLC5V0L4	5.0	7.20	20.0	1.6	1.00	11.0	14.0	SOT-553	Fig.4
ESD5V0M5	5.0	7.20	100.0	5.0	5.00	13.5	32.0	SOT-563	Fig.3
ESDLC5V0M5	5.0	7.20	20.0	1.6	1.00	12.0	10.0	SOT-563	Fig.2
ESDLC5V0T7	5.0	5.60	110.0	5.0	1.00	13.5	2.0	SOT-723	Fig.2
ESDBL5V0AE1	5.0	8.00	62.5	5.0	0.10	12.5	10.0	0201	Fig.10
ESDBV5V0AE1	5.0	8.00	52.0	4.0	0.10	10.0	2.0	0201	Fig.10
ESDLC5V0DFN10	5.0	6.00	150.0	1.0	1.00	12.5	0.5	DFN-10	Fig.15
ESDSL5V0LB	5.00	6.00	80.00	4.00	0.50	20.00	0.35	DFN1006-2	Fig.10
ESDLC5V0PA6	5.00	6.00	100.00	5.00	0.50	20.00	0.40	DFN4120-10	Fig.19
ESD39VD3B	30.00	35.10	200.00	-	0.10	-	30.00	SOD-323	Fig.20
ESDLC5V0D7B	5.00	5.80	100.00	5.00	0.10	12.50	12.00	SOD-723	Fig.21

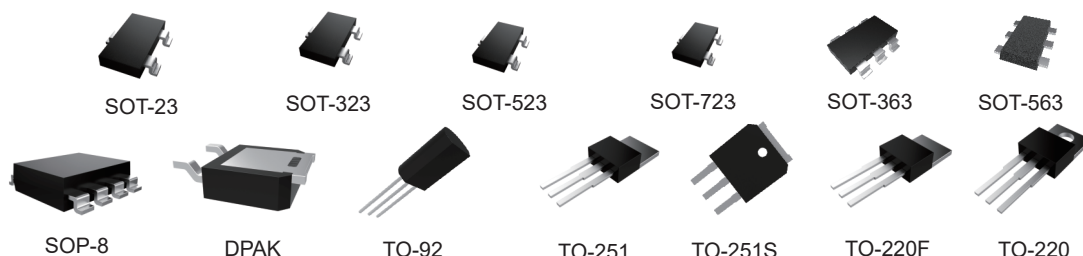
Part Number	Max Continuous Operating Voltage	Typ. Trigger Voltage@8KV	Typ. Clamping Voltage@8KV	Max Leakage Current @Max VDC	MAX Cj@VR=0V, f=1MHZ	Package Type	Internal Diagram
	(V)	(V)	(V)	(nA)	(pF)		
MLESD12A-0402	12	300	20	100	0.3	0402	Fig.10
MLESD24B-0603	24	500	36	10	0.3	0603	Fig.10

### Pin Configuration



# MOSFETS

Part Number	Power Rating	Drain-Source Voltage	Gate Threshold Voltage	Drain Current	Static Drain-Source On Resistance	Polarity	Marking Code	Package	Internal Diagram
	$P_D$	$V_{DS}$	$V_{GS(th)}$	$I_D$	$r_{DS(on)}$				
	(mW)	V	V	mA	$\Omega$				
2N7002	200	60	1.0	115	7.500	N-Channel	7002/S72	SOT-23	Fig. 1
2N7002K	350	60	1.0	340	5.300	N-Channel	72K	SOT-23	Fig. 4
BSS123	350	100	2.8	170	6.000	N-Channel	B123	SOT-23	Fig. 1
BSS138	350	50	1.5	220	3.500	N-Channel	SS	SOT-23	Fig. 1
BSS84	225	-50	-2.0	130	8.000	P-Channel	B84	SOT-23	Fig. 2
SI2321	350	-20	-0.9	-2900	0.057	P-Channel	S21 K	SOT-23	Fig. 2
SI3404	350	30	3.0	5800	0.028	N-Channel	R4	SOT-23	Fig. 1
SI3415	350	-20	-1.0	-4000	0.050	N-Channel	R15	SOT-23	Fig. 3
SI3420	350	20	3.0	6000	0.074	N-Channel	R20	SOT-23	Fig. 1
SI3434	-	30	1.0	5000	0.050	N-Channel	R34	SOT-23	Fig. 4
SI2301	1250	-20	-0.45	-2800	0.120	P-Channel	S1	SOT-23	Fig. 2
SI2302	1250	20	1.2	3000	0.072	N-Channel	S2	SOT-23	Fig. 1
SI2303	250	-30	-3.0	-3000	0.130	P-Channel	S3	SOT-23	Fig. 2
SI2304	250	30	3.0	2500	0.065	N-Channel	S4	SOT-23	Fig. 1
SI2305	350	-8	-0.9	-4100	0.045	P-Channel	S5	SOT-23	Fig. 2
SI2306	750	30	3.0	3160	0.065	N-Channel	S6	SOT-23	Fig. 1
SI2312	350	20	1.0	5000	0.0318	N-Channel	S12	SOT-23	Fig. 1
SI8810	-	20	1.0	7000	0.035	N-Channel	8810	SOT-23	Fig. 4
2N7002KW	200	60	1.0	340	5.300	N-Channel	72K	SOT-323	Fig. 4
2N7002W	200	60	1.0	115	7.500	N-Channel	K72	SOT-323	Fig. 1
2SK3018	200	30	1.5	100	8.000	N-Channel	KN	SOT-323	Fig. 5
2N7002T	150	60	1.0	115	7.500	N-Channel	K72	SOT-523	Fig. 1
2SK3019	150	30	1.5	100	13.000	N-Channel	KN	SOT-523	Fig. 5
MC3541	150	30	1.5	100	8.000	N-Channel	KN	SOT-723	Fig. 5
SI3134K	150	20	1.0	750	0.380	N-Channel	KF	SOT-723	Fig. 5
SI3139K	150	-20	-0.8	-660	0.520	P-Channel	KD	SOT-723	Fig. 3
2N7002DW	150	60	1.0	115	7.000	N-Channel	K72	SOT-363	Fig. 6
2N7002KDW	150	60	1.0	340	5.300	N-Channel	72K	SOT-363	Fig. 7
UM6K1N	150	30	1.5	100	8.000	N-Channel	K1	SOT-363	Fig. 7
SIX3439K	-	20	1.0	750	0.380	N-Channel	49K	SOT-563	Fig. 8
MCQ4822	-	30	3.0	8500	26.000	N-Channel	Q4822	SOP-8	Fig. 9
MCU01N80	-	800	5.0	1000	13.500	N-Channel	-	DPAK	Fig. 1
MCU02N80	-	800	5.0	2400	6.300	N-Channel	-	DPAK	Fig. 1
MCU04N65	1250	650	4.0	4000	3.000	N-Channel	-	DPAK	Fig. 1
MCU05N60	1250	600	4.0	4500	2.500	N-Channel	-	DPAK	Fig. 1
MCU04N60	-	600	4.0	4000	2.000	N-Channel	-	DPAK	Fig. 1
2N7000	625	60	3.0	200	5.000	N-Channel	2N7000	TO-92	Fig. 1
MCD04N65	1250	650	4.0	4000	3.000	N-Channel	-	TO-251	Fig. 1
MCD04N60	2000	600	4.0	4000	3.000	N-Channel	-	TO-251	Fig. 1
MCD504N60	-	600	4.0	4000	3.000	N-Channel	-	TO-251S	Fig. 1
MCPF04N65	2000	650	4.0	4000	3.000	N-Channel	-	TO-220F	Fig. 1
MCPF05N60B	2000	600	4.0	5000	2.500	N-Channel	-	TO-220F	Fig. 1
MCPF08N60	2000	600	4.0	8000	1.300	N-Channel	-	TO-220F	Fig. 1
MCPF04N60	-	600	4.0	4000	2.000	N-Channel	-	TO-220F	Fig. 1
MCP04N60	-	600	4.0	4000	2.000	N-Channel	-	TO-220	Fig. 1
MCP04N65	2000	650	4.0	4000	3.000	N-Channel	-	TO-220	Fig. 1



## Pin Configuration

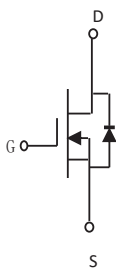


Fig. 1

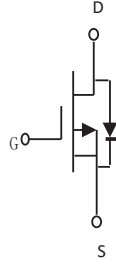


Fig. 2

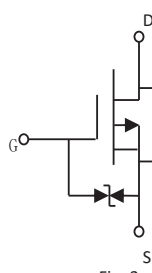


Fig. 3

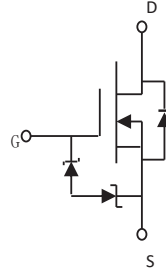


Fig. 4

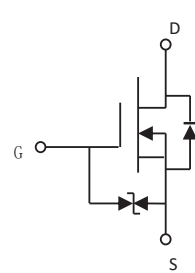


Fig. 5

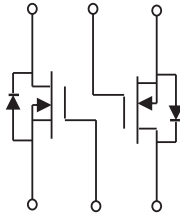


Fig.6

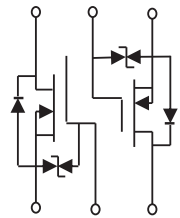


Fig.7

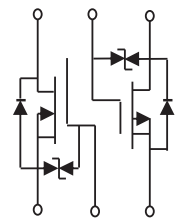


Fig.8

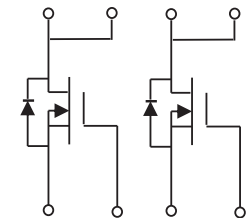
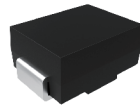


Fig.9

## CURRENT LIMITING DIODES

Part Number	Anode-Cathode Voltage	Reverse Voltage	Steady Current I <sub>reg</sub> (SS)			Limiting Voltage @80% I <sub>reg</sub>	Test Voltage	Peak Operating Voltage	Rating Voltage	Package
			mA							
	V	mV	Min.	Typ.	Max.	V	V	V	V	
CLD20B	45	500	17	20	23	4.5	10	45	25	SMB



SMB

## PIN DIODES

Part Number	Continuous Reverse Voltage		Maximum Reverse Current @ 25°C		Maximum Forward Voltage Drop Current		Junction Capacitance VR = 1.0V, f = 1MHz	Diode Forward Resistance IF = 10mA, f = 100MHz	Maximum Power Dissipation @ TA = 90°C	Package	Marking Code	Pin Identity
	VR	IR @ VR	VF @ IF		Cd	rD	PD					
	V	µA	V	mA	pF	Ω	mW					
BAP50-03	50	10	50	1.1	50	0.55	5	200	SOD-323	A81	-	
BAP51-02	60	10	50	1.1	50	0.55	2.5	715	SOD-523	A5	-	
BAP64-04W	175	10	175	1.1	50	0.37	2	200	SOT-323	4W	4	
BAP64-05W	175	10	175	1.1	50	0.37	2	200	SOT-323	5W	3	
BAP64-06W	175	10	175	1.1	50	0.37	2	200	SOT-323	6W	2	
BAP64-04W	175	10	175	1.1	50	0.50	2	250	SOT-23	4K	4	
BAP64-05W	175	10	175	1.1	50	0.37	2	250	SOT-23	5K	3	
BAP64-06W	175	10	175	1.1	50	0.50	2	250	SOT-23	6K	2	

### Pin Configuration

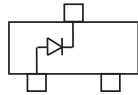


Figure 1

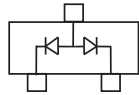


Figure 2

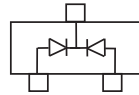


Figure 3

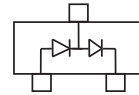


Figure 4



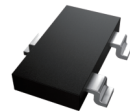
SOD-323



SOD-523



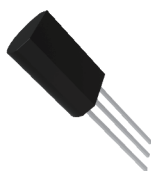
SOT-323



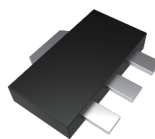
SOT-23

## SILICON CONTROLLED RECTIFIERS

Part Number	V <sub>drm</sub>	V <sub>rrm</sub>	I <sub>T</sub>	V <sub>GT</sub>	I <sub>GT</sub> Vak	I <sub>GT</sub> Min	I <sub>GT</sub> Max	V <sub>TM</sub>	Package
MCR100-6	400V	400V	0.8A	0.8A	7V	5uA	200uA	1.7V	TO-92
MCR100-8	600V	600V	0.8A	0.8A	7V	5uA	200uA	1.7V	TO-92
MCR100F-6	400V	400V	0.8A	0.8A	7V	5uA	200uA	1.7V	SOT-89
MCR100F-8	600V	600V	0.8A	0.8A	7V	5uA	200uA	1.7V	SOT-89



TO-92



SOT-89

## FRED MODULES

Part Number	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Maximum Forward Voltage		Maximum Reverse Recovery Time	Package	Circuit
	$V_{RRM}$	$I_{F(AV)}$	$I_{FSM}$	$I_{FM}$	$V_{FM}$	$T_{rr}$		
	V	A	A	A	V	ns		
MF150C06F2	600	150.0	1400	150.0	1.600	130	F2	Fig.1
MF200K06F2	600	200.0	2000	200.0	1.600	140	F2	Fig.3
MF300C12F2	1200	300.0	2700	300.0	3.000	135	F2	Fig.1
MF300U12F2	1200	300.0	2500	300.0	2.700	150	F2	Fig.4
MF200K04F3	400	200.0	1500	200.0	1.350	95	F3	Fig.2
MF200K06F3	600	200.0	2100	200.0	1.150	105.0	F3	Fig.2
MF300K04F3	400	300.0	2700	300.0	1.050	90	F3	Fig.2
MF300K06F3	600	300.0	3500	300.0	1.400	130	F3	Fig.2
MF400K04F3	400	400.0	4000	400.0	1.350	135	F3	Fig.2
MF400K06F3	600	400.0	3500	400.0	1.250	130	F3	Fig.2
MF200K04F4	400	200.0	1500	200.0	1.350	95	F4	Fig.2
MF200K06F4	600	200.0	2100	200.0	1.150	105	F4	Fig.2
MF200DU06FJ	600	200.0	1500	100.0	1.400	105	FJ	Fig.5

### Pin Configuration

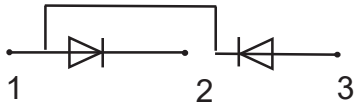


Fig. 1

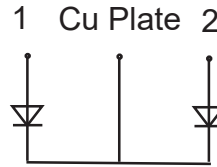


Fig. 2

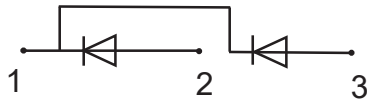


Fig. 3



Fig. 4

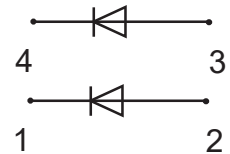
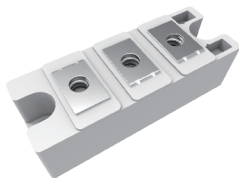
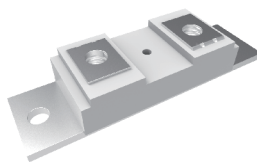


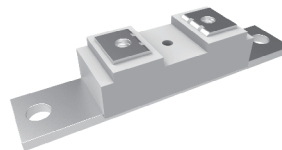
Fig. 5



F2



F3



F4



FJ

## STANDARD RECOVERY POWER MODULES

Part Number	Electrical Characteristics(Rating at 25°C Ambient Temperature)						Package	Circuit
	Working Peak Reverse Voltage-VRWM(V)	Average Forward Current-IO(A)	Peak Forward Surge Current@ IFSM(A)	Max. Forward Voltage Per Element-VF(V)	At Rated Forward Current-IF(A)	Max.DC Reverse Current at Rated DC Blocking Voltage - IRMAX(mA)		
MD100A08D1	800	100	2500	1.4	300	5	D1	Fig.1
MD100A12D1	1200	100	2500	1.4	300	5	D1	Fig.1
MD100A16D1	1600	100	2500	1.4	300	5	D1	Fig.1
MD100A18D1	1800	100	2500	1.4	300	5	D1	Fig.1
MD100C08D1	800	100	2500	1.4	300	5	D1	Fig.2
MD100C12D1	1200	100	2500	1.4	300	5	D1	Fig.2
MD100C16D1	1600	100	2500	1.4	300	5	D1	Fig.2
MD100C18D1	1800	100	2500	1.4	300	5	D1	Fig.2
MD100K08D1	800	100	2500	1.4	300	5	D1	Fig.3
MD100K12D1	1200	100	2500	1.4	300	5	D1	Fig.3
MD100K16D1	1600	100	2500	1.4	300	5	D1	Fig.3
MD100K18D1	1800	100	2500	1.4	300	5	D1	Fig.3
MD120A08D1	800	120	2800	1.35	300	6	D1	Fig.1
MD120A12D1	1200	120	2800	1.35	300	6	D1	Fig.1
MD120A16D1	1600	120	2800	1.35	300	6	D1	Fig.1
MD120A18D1	1800	120	2800	1.35	300	6	D1	Fig.1
MD120C08D1	800	120	2800	1.35	300	6	D1	Fig.2
MD120C12D1	1200	120	2800	1.35	300	6	D1	Fig.2
MD120C16D1	1600	120	2800	1.35	300	6	D1	Fig.2
MD120C18D1	1800	120	2800	1.35	300	6	D1	Fig.2
MD120K08D1	800	120	2800	1.35	300	6	D1	Fig.3
MD120K12D1	1200	120	2800	1.35	300	6	D1	Fig.3
MD120K16D1	1600	120	2800	1.35	300	6	D1	Fig.3
MD120K18D1	1800	120	2800	1.35	300	6	D1	Fig.3
MD36A08D1	800	36	650	1.4	100	5	D1	Fig.1
MD36A12D1	1200	36	650	1.4	100	5	D1	Fig.1
MD36A16D1	1600	36	650	1.4	100	5	D1	Fig.1
MD36A18D1	1800	36	650	1.4	100	5	D1	Fig.1
MD36C08D1	800	36	650	1.4	100	5	D1	Fig.2
MD36C12D1	1200	36	650	1.4	100	5	D1	Fig.2
MD36C16D1	1600	36	650	1.4	100	5	D1	Fig.2
MD36C18D1	1800	36	650	1.4	100	5	D1	Fig.2
MD36K08D1	800	36	650	1.4	100	5	D1	Fig.3
MD36K12D1	1200	36	650	1.4	100	5	D1	Fig.3
MD36K16D1	1600	36	650	1.4	100	5	D1	Fig.3
MD36K18D1	1800	36	650	1.4	100	5	D1	Fig.3
MD60A08D1	800	60	1150	1.45	200	5	D1	Fig.1
MD60A12D1	1200	60	1150	1.45	200	5	D1	Fig.1
MD60A16D1	1600	60	1150	1.45	200	5	D1	Fig.1
MD60A18D1	1800	60	1150	1.45	200	5	D1	Fig.1
MD60C08D1	800	60	1150	1.45	200	5	D1	Fig.2
MD60C12D1	1200	60	1150	1.45	200	5	D1	Fig.2
MD60C16D1	1600	60	1150	1.45	200	5	D1	Fig.2
MD60C18D1	1800	60	1150	1.45	200	5	D1	Fig.2
MD60K08D1	800	60	1150	1.45	200	5	D1	Fig.3
MD60K12D1	1200	60	1150	1.45	200	5	D1	Fig.3
MD60K16D1	1600	60	1150	1.45	200	5	D1	Fig.3



D1

## STANDARD RECOVERY POWER MODULES

Part Number	Electrical Characteristics(Rating at 25°C Ambient Temperature)						Package	Circuit
	Working Peak Reverse Voltage-VRWM(V)	Average Forward Current-IO(A)	Peak Forward Surge Current@ IFSM(A)	Max. Forward Voltage Per Element-VF(V)	At Rated Forward Current-IF(A)	Max.DC Reverse Current at Rated DC Blocking Voltage - IRMAX(mA)		
MD60K18D1	1800	60	1150	1.45	200	5	D1	Fig.3
MD70A08D1	800	70	1400	1.3	200	5	D1	Fig.1
MD70A12D1	1200	70	1400	1.3	200	5	D1	Fig.1
MD70A16D1	1600	70	1400	1.3	200	5	D1	Fig.1
MD70A18D1	1800	70	1400	1.3	200	5	D1	Fig.1
MD70C08D1	800	70	1400	1.3	200	5	D1	Fig.2
MD70C12D1	1200	70	1400	1.3	200	5	D1	Fig.2
MD70C16D1	1600	70	1400	1.3	200	5	D1	Fig.2
MD70C18D1	1800	70	1400	1.3	200	5	D1	Fig.2
MD70K08D1	800	70	1400	1.3	200	5	D1	Fig.3
MD70K12D1	1200	70	1400	1.3	200	5	D1	Fig.3
MD70K16D1	1600	70	1400	1.3	200	5	D1	Fig.3
MD70K18D1	1800	70	1400	1.3	200	5	D1	Fig.3
MD165A08D2	800	165	6000	1.4	300	9	D2	Fig.1
MD165A12D2	1200	165	6000	1.4	300	9	D2	Fig.1
MD165A16D2	1600	165	6000	1.4	300	9	D2	Fig.1
MD165A18D2	1800	165	6000	1.4	300	9	D2	Fig.1
MD165C08D2	800	165	6000	1.4	300	9	D2	Fig.2
MD165C12D2	1200	165	6000	1.4	300	9	D2	Fig.2
MD165C16D2	1600	165	6000	1.4	300	9	D2	Fig.2
MD165C18D2	1800	165	6000	1.4	300	9	D2	Fig.2
MD165K08D2	800	165	6000	1.4	300	9	D2	Fig.3
MD165K12D2	1200	165	6000	1.4	300	9	D2	Fig.3
MD165K16D2	1600	165	6000	1.4	300	9	D2	Fig.3
MD165K18D2	1800	165	6000	1.4	300	9	D2	Fig.3
MD200A08D2	800	200	6800	1.3	300	9	D2	Fig.1
MD200A12D2	1200	200	6800	1.3	300	9	D2	Fig.1
MD200A16D2	1600	200	6800	1.3	300	9	D2	Fig.1
MD200A18D2	1800	200	6800	1.3	300	9	D2	Fig.1
MD200C08D2	800	200	6800	1.3	300	9	D2	Fig.2
MD200C12D2	1200	200	6800	1.3	300	9	D2	Fig.2
MD200C16D2	1600	200	6800	1.3	300	9	D2	Fig.2
MD200C18D2	1800	200	6800	1.3	300	9	D2	Fig.2
MD200K08D2	800	200	6800	1.3	300	9	D2	Fig.3
MD200K12D2	1200	200	6800	1.3	300	9	D2	Fig.3
MD200K16D2	1600	200	6800	1.3	300	9	D2	Fig.3
MD200K18D2	1800	200	6800	1.3	300	9	D2	Fig.3
MD240C08D2	800	240	7550	1.25	300	9	D2	Fig.2
MD240C12D2	1200	240	7550	1.25	300	9	D2	Fig.2
MD240C16D2	1600	240	7550	1.25	300	9	D2	Fig.2
MD240C18D2	1800	240	7550	1.25	300	9	D2	Fig.2
MD100S08M2	800	100	920	1.9	150	0.3	M2	fig.4
MD100S12M2	1200	100	920	1.9	150	0.3	M2	fig.4
MD100S16M2	1600	100	920	1.9	150	0.3	M2	fig.4
MD100S18M2	1800	100	920	1.9	150	0.3	M2	fig.4
MD60S08M2	800	60	460	1.8	150	0.3	M2	fig.4
MD60S12M2	1200	60	460	1.8	150	0.3	M2	fig.4



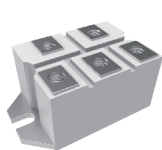
D2



M2

## STANDARD RECOVERY POWER MODULES

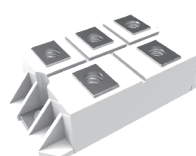
Part Number	Electrical Characteristics(Rating at 25°C Ambient Temperature)						Package	Circuit
	Working Peak Reverse Voltage-VRWM(V)	Average Forward Current-IO(A)	Peak Forward Surge Current@ IFSM(A)	Max. Forward Voltage Per Element-VF(V)	At Rated Forward Current-IF(A)	Max.DC Reverse Current at Rated DC Blocking Voltage - IRMAX(mA)		
MD60S16M2	1600	60	460	1.8	150	0.3	M2	fig.4
MD60S18M2	1800	60	460	1.8	150	0.3	M2	fig.4
MD75S08M2	800	75	750	1.6	150	0.3	M2	fig.4
MD75S12M2	1200	75	750	1.6	150	0.3	M2	fig.4
MD75S16M2	1600	75	750	1.6	150	0.3	M2	fig.4
MD75S18M2	1800	75	750	1.6	150	0.3	M2	fig.4
MD100S08M3	800	100	920	1.9	300	0.3	M3	fig.4
MD100S12M3	1200	100	920	1.9	300	0.3	M3	fig.4
MD100S16M3	1600	100	920	1.9	300	0.3	M3	fig.4
MD100S18M3	1800	100	920	1.9	300	0.3	M3	fig.4
MD130S08M3	800	130	1200	1.8	300	0.3	M3	fig.4
MD130S12M3	1200	130	1200	1.8	300	0.3	M3	fig.4
MD130S16M3	1600	130	1200	1.8	300	0.3	M3	fig.4
MD130S18M3	1800	130	1200	1.8	300	0.3	M3	fig.4
MD160S08M3	800	160	1800	1.75	300	0.5	M3	fig.4
MD160S12M3	1200	160	1800	1.75	300	0.5	M3	fig.4
MD160S16M3	1600	160	1800	1.75	300	0.5	M3	fig.4
MD160S18M3	1800	160	1800	1.75	300	0.5	M3	fig.4
MD200S08M3	800	200	2240	1.7	300	0.5	M3	fig.4
MD200S12M3	1200	200	2240	1.7	300	0.5	M3	fig.4
MD200S16M3	1600	200	2240	1.7	300	0.5	M3	fig.4
MD200S18M3	1800	200	2240	1.7	300	0.5	M3	fig.4
MD250S08M3	800	250	2500	1.6	300	0.5	M3	fig.4
MD250S12M3	1200	250	2500	1.6	300	0.5	M3	fig.4
MD250S16M3	1600	250	2500	1.6	300	0.5	M3	fig.4
MD250S18M3	1800	250	2500	1.6	300	0.5	M3	fig.4
MD100S08M4	800	100	920	1.9	300	0.3	M4	fig.4
MD100S12M4	1200	100	920	1.9	300	0.3	M4	fig.4
MD100S16M4	1600	100	920	1.9	300	0.3	M4	fig.4
MD100S18M4	1800	100	920	1.9	300	0.3	M4	fig.4
MD50S08M4	800	50	460	1.7	150	0.3	M4	fig.4
MD50S12M4	1200	50	460	1.7	150	0.3	M4	fig.4
MD50S16M4	1600	50	460	1.7	150	0.3	M4	fig.4
MD50S18M4	1800	50	460	1.7	150	0.3	M4	fig.4
MD75S08M4	800	75	750	1.5	150	0.3	M4	fig.4
MD75S12M4	1200	75	750	1.5	150	0.3	M4	fig.4
MD75S16M4	1600	75	750	1.5	150	0.3	M4	fig.4
MD75S18M4	1800	75	750	1.5	150	0.3	M4	fig.4
MD100S08M5	800	100	920	1.9	300	0.3	M5	fig.4
MD100S12M5	1200	100	920	1.9	300	0.3	M5	fig.4
MD100S16M5	1600	100	920	1.9	300	0.3	M5	fig.4
MD100S18M5	1800	100	920	1.9	300	0.3	M5	fig.4
MD130S08M5	800	130	1200	1.8	300	0.3	M5	fig.4
MD130S12M5	1200	130	1200	1.8	300	0.3	M5	fig.4
MD130S16M5	1600	130	1200	1.8	300	0.3	M5	fig.4
MD130S18M5	1800	130	1200	1.8	300	0.3	M5	fig.4
MD160S08M5	800	160	1800	1.75	300	0.5	M5	fig.4



M2



M3



M4



M5

## STANDARD RECOVERY POWER MODULES

Part Number	Electrical Characteristics(Rating at 25°C Ambient Temperature)						Package	Circuit
	Working Peak Reverse Voltage-VRWM(V)	Average Forward Current-IO(A)	Peak Forward Surge Current@IFSM(A)	Max. Forward Voltage Per Element-VF(V)	At Rated Forward Current-IF(A)	Max.DC Reverse Current at Rated DC Blocking Voltage - IRMAX(mA)		
MD160S12M5	1200	160	1800	1.75	300	0.5	M5	fig.4
MD160S16M5	1600	160	1800	1.75	300	0.5	M5	fig.4
MD160S18M5	1800	160	1800	1.75	300	0.5	M5	fig.4
MD200S08M5	800	200	2240	1.7	300	0.5	M5	fig.4
MD200S12M5	1200	200	2240	1.7	300	0.5	M5	fig.4
MD200S16M5	1600	200	2240	1.7	300	0.5	M5	fig.4
MD200S18M5	1800	200	2240	1.7	300	0.5	M5	fig.4
MD250S08M5	800	250	2500	1.6	300	0.5	M5	fig.4
MD250S12M5	1200	250	2500	1.6	300	0.5	M5	fig.4
MD250S16M5	1600	250	2500	1.6	300	0.5	M5	fig.4
MD250S18M5	1800	250	2500	1.6	300	0.5	M5	fig.4

### Pin Configuration

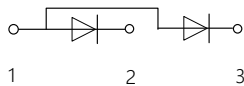


Fig.1

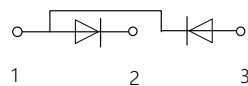


Fig.2

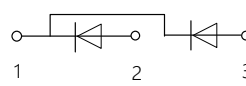


Fig.3

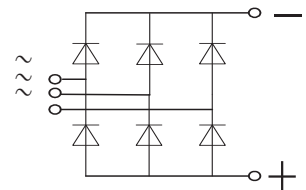
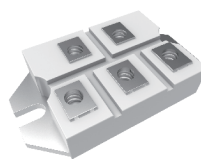


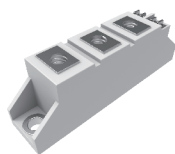
Fig.4



M5

## THYRISTOR MODULES

Part Number	Electrical Characteristics					Package	Circuit
	VRRM(V)	IT(A)	VGT(V)	IGT(mA)	VTM(V)		
MT110C08T1	800	110	3.0	150	1.65	T1	fig.1
MT110C12T1	1200	110	3.0	150	1.65	T1	fig.1
MT110C16T1	1600	110	3.0	150	1.65	T1	fig.1
MT110C18T1	1800	110	3.0	150	1.65	T1	fig.1
MT110CB08T1	800	110	3.0	150	1.65	T1	fig.2
MT110CB12T1	1200	110	3.0	150	1.65	T1	fig.2
MT110CB16T1	1600	110	3.0	150	1.65	T1	fig.2
MT110CB18T1	1800	110	3.0	150	1.65	T1	fig.2
MT25C08T1	800	25	2.5	150	1.80	T1	fig.1
MT25C12T1	1200	25	2.5	150	1.80	T1	fig.1
MT25C16T1	1600	25	2.5	150	1.80	T1	fig.1
MT25C18T1	1800	25	2.5	150	1.80	T1	fig.1
MT40C08T1	800	40	2.5	150	1.95	T1	fig.1
MT40C12T1	1200	40	2.5	150	1.95	T1	fig.1
MT40C16T1	1600	40	2.5	150	1.95	T1	fig.1
MT40C18T1	1800	40	2.5	150	1.95	T1	fig.1
MT40CB08T1	800	40	2.5	150	1.95	T1	fig.2
MT40CB12T1	1200	40	2.5	150	1.95	T1	fig.2
MT40CB16T1	1600	40	2.5	150	1.95	T1	fig.2
MT40CB18T1	1800	40	2.5	150	1.95	T1	fig.2
MT60C08T1	800	60	3.0	150	1.65	T1	fig.1
MT60C12T1	1200	60	3.0	150	1.65	T1	fig.1
MT60C16T1	1600	60	3.0	150	1.65	T1	fig.1
MT60C18T1	1800	60	3.0	150	1.65	T1	fig.1
MT60CB08T1	800	60	3.0	150	1.65	T1	fig.2
MT60CB12T1	1200	60	3.0	150	1.65	T1	fig.2
MT60CB16T1	1600	60	3.0	150	1.65	T1	fig.2
MT60CB18T1	1800	60	3.0	150	1.65	T1	fig.2
MT90CB08T1	800	90	3.0	150	1.65	T1	fig.2
MT90CB12T1	1200	90	3.0	150	1.65	T1	fig.2
MT90CB16T1	1600	90	3.0	150	1.65	T1	fig.2
MT90CB18T1	1800	90	3.0	150	1.65	T1	fig.2
MT130C08T2	800	130	3.0	150	1.80	T2	fig.1
MT130C12T2	1200	130	3.0	150	1.80	T2	fig.1
MT130C16T2	1600	130	3.0	150	1.80	T2	fig.1
MT130C18T2	1800	130	3.0	150	1.80	T2	fig.1
MT130CB08T2	800	130	3.0	150	1.80	T2	fig.2
MT130CB12T2	1200	130	3.0	150	1.80	T2	fig.2
MT130CB16T2	1600	130	3.0	150	1.80	T2	fig.2
MT130CB18T2	1800	130	3.0	150	1.80	T2	fig.2
MT160C08T2	800	160	3.0	150	1.70	T2	fig.1
MT160C12T2	1200	160	3.0	150	1.70	T2	fig.1
MT160C16T2	1600	160	3.0	150	1.70	T2	fig.1
MT160C18T2	1800	160	3.0	150	1.70	T2	fig.1
MT160CB08T2	800	160	3.0	150	1.70	T2	fig.2
MT160CB12T2	1200	160	3.0	150	1.70	T2	fig.2
MT160CB16T2	1600	160	3.0	150	1.70	T2	fig.2
MT160CB18T2	1800	160	3.0	150	1.70	T2	fig.2
MT200C08T2	800	200	3.0	200	1.70	T2	fig.1
MT200C12T2	1200	200	3.0	200	1.70	T2	fig.1
MT200C16T2	1600	200	3.0	200	1.70	T2	fig.1



T1



T2

## THYRISTOR MODULES

Part Number	Electrical Characteristics					Package	Circuit
	VRRM(V)	IT(A)	VGT(V)	IGT(mA)	VTM(V)		
MT200C18T2	1800	200	3.0	200	1.70	T2	fig.1
MT200CB08T2	800	200	3.0	200	1.70	T2	fig.2
MT200CB12T2	1200	200	3.0	200	1.70	T2	fig.2
MT200CB16T2	1600	200	3.0	200	1.70	T2	fig.2
MT200CB18T2	1800	200	3.0	200	1.70	T2	fig.2

### Pin Configuration

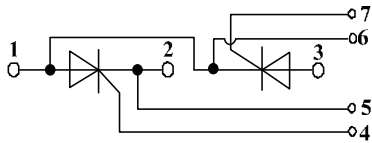


Fig.1

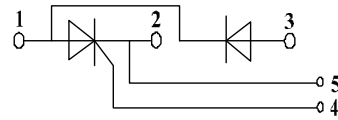


Fig.2



T2

## THREE PHASES BRIDGE RECTIFIER WITH THYRISTOR MODULES

Part Number	Electrical Characteristics					Package	Circuit
	VRRM(V)	IT(A)	VGT(V)	IGT(mA)	VTM(V)		
MT75DT08L1	800	75	3	150	1.30	L1	Fig.1
MT75DT12L1	1200	75	3	150	1.30	L1	Fig.1
MT75DT16L1	1600	75	3	150	1.30	L1	Fig.1
MT75DT18L1	1800	75	3	150	1.30	L1	Fig.1
MT100DT08L1	800	100	3	150	1.25	L1	Fig.1
MT100DT12L1	1200	100	3	150	1.25	L1	Fig.1
MT100DT16L1	1600	100	3	150	1.25	L1	Fig.1
MT100DT18L1	1800	100	3	150	1.25	L1	Fig.1
MT150DT08L2	800	150	3	150	1.35	L2	Fig.2
MT150DT12L2	1200	150	3	150	1.35	L2	Fig.2
MT150DT16L2	1600	150	3	150	1.35	L2	Fig.2
MT150DT18L2	1800	150	3	150	1.35	L2	Fig.2
MT200DT08L2	800	200	3	150	1.40	L2	Fig.2
MT200DT12L2	1200	200	3	150	1.40	L2	Fig.2
MT200DT16L2	1600	200 <td 3	150	1.40	L2	Fig.2	
MT200DT18L2	1800	200	3	150	1.40	L2	Fig.2

### Pin Configuration

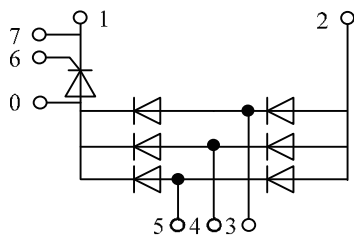


Fig.1

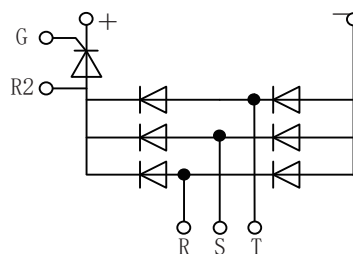
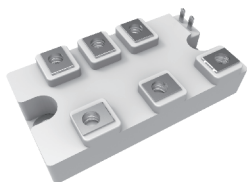
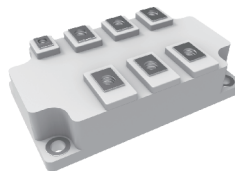


Fig.2



L1



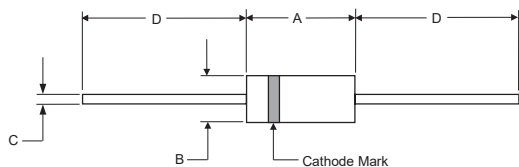
L2

## Through Hole Package Quantity

Case Style	Available Packaging (pcs)				
	Bulk			13" Tape & Reel	Ammo Pack
	Box/Bag Qty	Tube Qty	Tray Qty	Qty	Qty
A-405				<b>5000</b>	
DB-1	2500	50			
DO-15	500			4000	3000
DO-201AD	500			1200	1200
DO-201AE	500			1200	1200
DO-35	10000			10000	
DO-35G	10000			10000	
DO-41	1000			5000	5000
DO-41G	1000			5000	
GBJ	750	15			
GBP	1250	25			
GBPC	50				
GBU	1000	20			
ITO-220AB	1000	50			
ITO220AC	1000	50			
KBJ	1000	15			
KBPL	1000				
MB-1	5000	100			
MB-35	50				
MB-35D	50				
MB-35W	50				
MB-50W	50				
MP-50	50				
MP-50W	50				
PB-10	200				
PB-3	200				
PB-6	200				
PRESSFIT	100				
R-1				5000	
R-3	500			3000	
R-6	200			500	450
RA	1000				
RB-15	1000				
RS-4L	400		100		
SRA	1000				
TO-126	1000	50			
TO-18	100				
TO-220	1000	50			
TO-220AB	1000	50			
TO-220AC	1000	50			
TO-39	50				
TO-92	1000				2000
TO-92L	1000				2000
TO-92MOD	500				
TO-92S	3000				2000
WOM	1000				

Please note that these are packing minimums only and do not reflect order minimums. For minimum order quantities please contact the factory.

## PACKAGE OUTLINES



### DO-41G

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	----	0.177	----	4.50	
B	----	0.110	----	2.80	Diameter
C	0.026	0.034	0.70	0.90	Diameter
D	1.000	----	25.40	----	

### DO-35

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	---	.166	---	4.2	
B	---	.079	---	2.00	
C	---	.020	---	.52	
D	1.000	---	25.40	---	

### DO-41

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.160	0.205	4.10	5.20	
B	0.080	0.107	2.00	2.70	Diameter
C	0.028	0.034	0.71	0.86	Diameter
D	1.000	----	25.40	----	

### A-405

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.166	.205	4.10	5.20	
B	.080	.107	2.00	2.70	
C	---	.024	---	.60	
D	1.000	---	25.40	---	

### DO-15

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.230	.300	5.80	7.60	
B	.104	.140	2.60	3.60	
C	.026	.034	.70	.90	
D	1.000	---	25.40	---	

### DO-35G

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	---	.166	---	4.2	
B	---	.079	---	2.00	
C	---	.020	---	.52	
D	1.000	---	25.40	---	

### DO-201AD

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.287	.374	7.30	9.50	
B	.189	.208	4.80	5.30	
C	.048	.052	1.20	1.30	
D	1.000	---	25.40	---	

### R-1

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.116	0.140	2.90	3.50	
B	0.091	0.102	2.30	2.60	
C	0.020	0.024	0.50	0.60	
D	0.787	----	20.00	----	

### DO-201AE

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	---	.370	---	9.50	
B	---	.209	---	5.30	
C	.038	.042	.96	1.06	
D	1.000	---	25.40	---	

### R-3

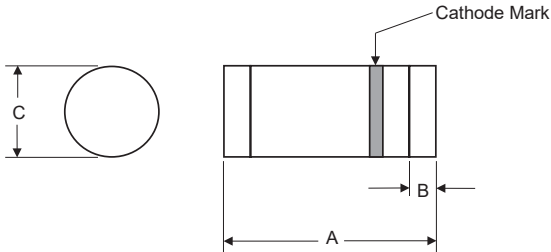
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	---	.160	---	4.10	
B	---	.160	---	4.10	
C	.040	.042	1.01	1.07	
D	1.000	---	25.40	---	

### R-6

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.340	.360	8.60	9.10	
B	.340	.360	8.60	9.10	
C	.048	.052	1.20	1.30	
D	1.000	---	25.40	---	

## PACKAGE OUTLINES

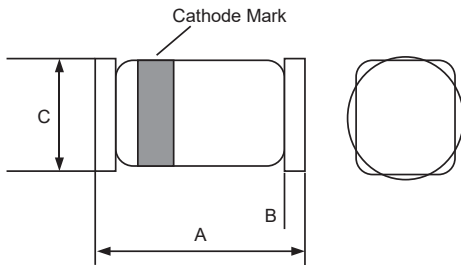
### MELF



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.185	.205	4.70	5.20	
B	.01	.02	0.4	.56	Nominal
C	.095	.105	2.40	2.67	∅

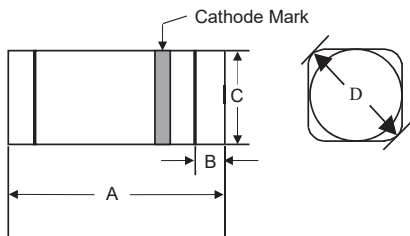
### MINIMELF

DIMENSION					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.130	.146	3.30	3.70	
B	.008	.016	0.20	0.40	
C	.055	.059	1.40	1.50	



### MICROMELF

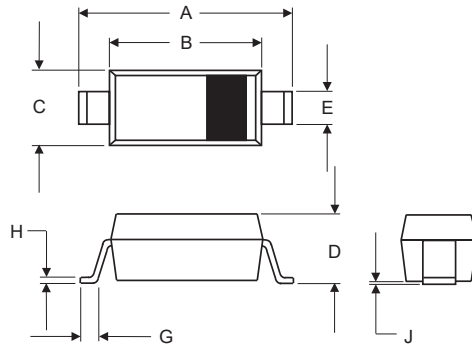
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.079	1.8	2.0	
B	.004	.008	.10	.20	
C	.047	.051	1.20	1.30	∅



### QUADRO MELF

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.130	.146	3.30	3.70	
B	.008	.016	.20	.40	
C	.055	.063	1.40	1.60	∅
D	.067		1.70		

## PACKAGE OUTLINES

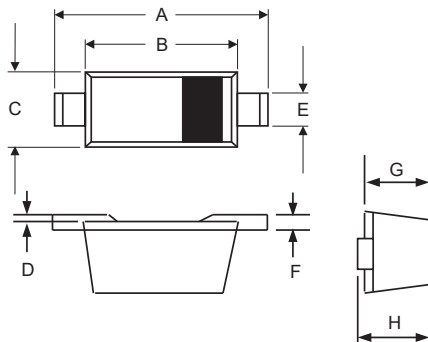


**SOD-123**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.14	.152	3.55	3.85	
B	.10	.112	2.55	2.85	
C	.05	.071	1.40		
D	--	.053	---	1	
E	.01	.031	0.30	0.78	
G	.00	---	0.15	---	
H	--	.010	---	0	
J	--	.006	---	0.15	

**SOD-323**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.090	.107	2.30	2.70	
B	.063	.071	1.60	1.80	
C	.045	.053	1.15	1.35	
D	.031	.045	0.80	1.15	
E	.010	.016	0.25	0.40	
G	.004	.018	0.10	0.45	
H	.004	.010	0.10	0.25	
J	-----	.006	-----	0.15	



**SOD-723**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.0 1	.059	1.30	1.50	
B	.0 5	.043	0.90	1.10	
C	.0 2	.026	0.55	0.65	
D	.0 1	.026	0.525	0.65	
E	.0 0	.014	0.25	0.35	
F	.0 3	.006	0.08	0.15	

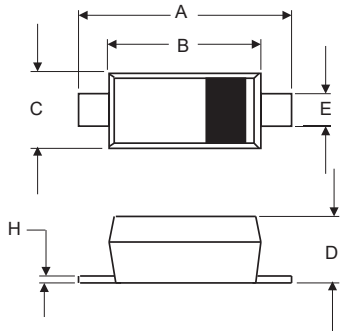
**SOD-523**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	. 59	.067	1.50	1.70	
B	. 43	.051	1.10	1.30	
C	. 30	.033	0.75	0.85	
D	. 01	.003	0.01	0.07	
E	. 10	.014	0.25	0.35	
F	.003	.006	0.08	0.15	
G	. 20	.028	0.50	0.70	
H	.020	.031	0.51	0.77	

**SOD-923**

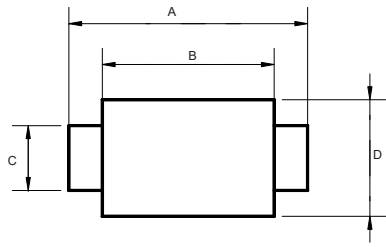
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.037	.041	0.95	1.05	
B	.030	.033	0.75	0.85	
C	.022	.026	0.55	0.65	
D	.014	.017	0.36	0.43	
E	.006	.010	0.15	0.25	
F	.003	.007	0.07	0.17	

## PACKAGE OUTLINES



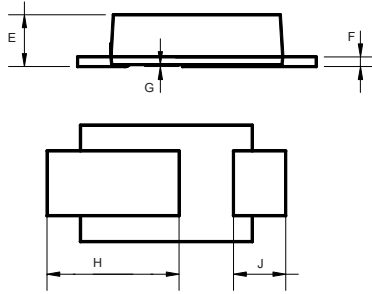
### SOD-123FL

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.140	.152	3.55	3.85	
B	.100	.112	2.55	2.85	
C	.055	.071	1.40	1.80	
D	.037	.053	0.95	1.35	
E	.020	.039	0.50	1.00	
G	.010	-----	0.25	-----	
H	-----	.008	-----	.20	

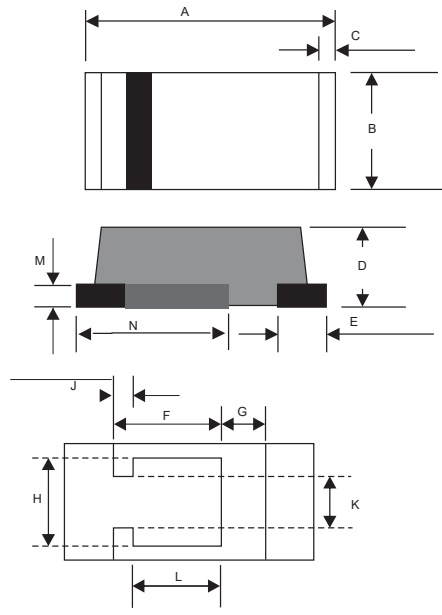


### SOD-123HE

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.140	.156	3.55	3.95	
B	.100	.112	2.55	2.85	
C	.035	.043	0.90	1.10	
D	.067	.075	1.70	1.90	
E	.028	.035	0.70	0.90	
F	.004	.008	0.10	0.20	
G	.001	.002	0.02	0.05	
H	.067	.098	1.70	2.50	
J	.016	.047	0.40	1.20	



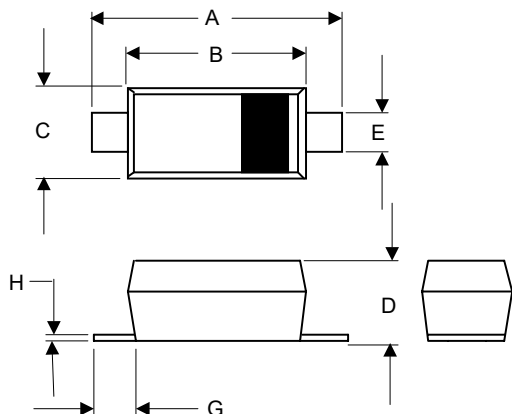
### SOD-123HT



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.130	.146	3.30	3.70	
B	.055	.071	1.40	1.80	
C	.012		0.30		
D	.024	.039	0.60	1.00	
E	.031		0.80		
F	.043	.051	1.10	1.30	
G	.028	.032	0.60	0.80	
H	.039	.047	1.00	1.20	
J	.024		0.60		
K	.030	.034	0.75	0.85	
L	.039	.047	1.00	1.20	
M	.004		0.10		
N	.075	.083	2.10	1.90	

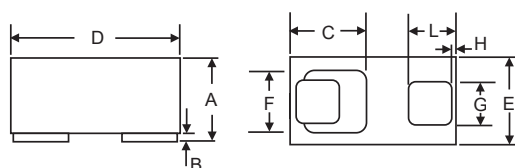
## PACKAGE OUTLINES

### SOD-323FL

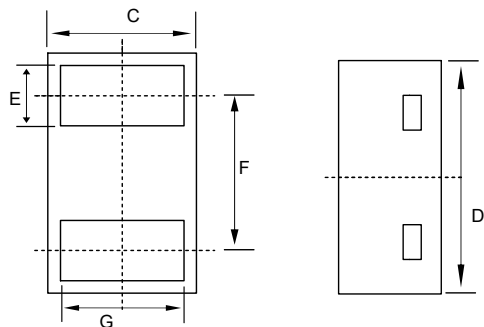
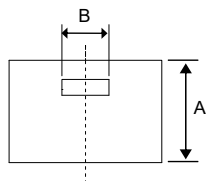


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.090	.107	2.30	2.70	
B	.063	.078	1.60	1.95	
C	.045	.053	1.15	1.35	
D	.024	.038	0.60	0.95	
E	.010	.016	0.25	0.40	
G	.016		0.40		
H	.002	.008	0.05	0.21	

### SOD-882



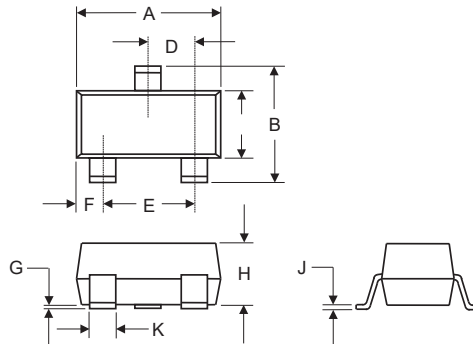
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.018	0.022	0.45	0	
B	0.000	0.003	0.01	0	
C	0.019REF.		0.470REF.		
D	0.037	0.041	0.95	1	
E	0.022	0.026	0.55	0	
F	0.017 REF.		0.420 REF.		
G	0.011	0.015	0.27		
H	0.001 REF.		0.030 REF.		
L	0.013	0.017	0.34	0.44	



### SOD-882E

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.018	0.020	0.465	0.50	
B	0.008REF.		0.200REF.		
C	0.022	0.026	0.55	0.65	
D	0.037	0.041	0.95	1	
E	0.008	0.012	0.20	0.30	
F	0.025 REF.		0.640 REF.		
G	0.017	0.021	0.44	0.54	

## PACKAGE OUTLINES



**SOT-23**

**SOT-323**

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.110	.120	2.80	3.04	
B	.083	.104	2.10	2.64	
C	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
E	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
H	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

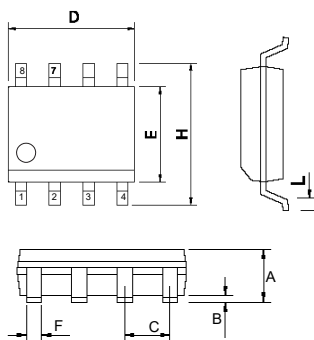
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.071	.087	1.80	2.20	
B	.045	.053	1.15	1.35	
C	.083	.096	2.10	2.45	
D	.026 Nominal		0.65Nominal		
E	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
H	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.006	.016	.15	.40	

**SOT-523**

**SOT-723**

DIMENSIONS					
DIM	INCHES		M		NOTE
	MIN	MAX	MIN	MAX	
A	.059	.067	1.50	1.70	
B	.030	.033	0.75	0.85	
C	.057	.069	1.45	1.75	
D	.020 Nominal		0.50Nominal		
E	.035	.043	0.90	1.10	
G	.000	.004	.000	.100	
H	.028	.031	.70	0.80	
J	.004	.008	.100	.200	
K	.010	.014	.25	.35	

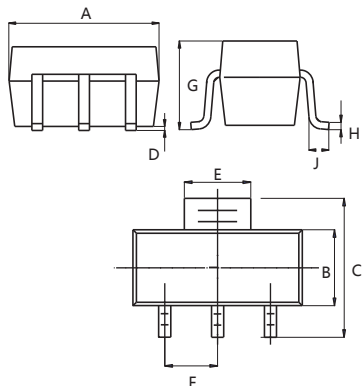
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.045	.049	1.15	1.25	
B	.045	.049	1.15	1.25	
C	.030	.033	0.75	0.85	
D	.011	.015	0.27	0.37	
E	0.031TYP.		0.80TYP.		
F	.007	.011	0.17	0.27	
G	.017	.020	0.43	0.50	
H	.003	.006	0.08	0.15	
J	.000	.002	0.00	0.05	



**SOP-8**

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.053	.069	1.35	1.75	
B	.004	.010	0.10	0.25	
C	0.050BSC		1.27BSC		
F	.013	.020	0.33	0.51	
D	.189	.197	4.80	5.00	
E	.150	.157	3.80	4.00	
H	.228	.244	5.80	6.20	
L	.016	.050	0.4	1.27	

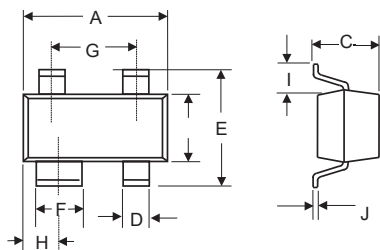
## PACKAGE OUTLINES



### SOT-223

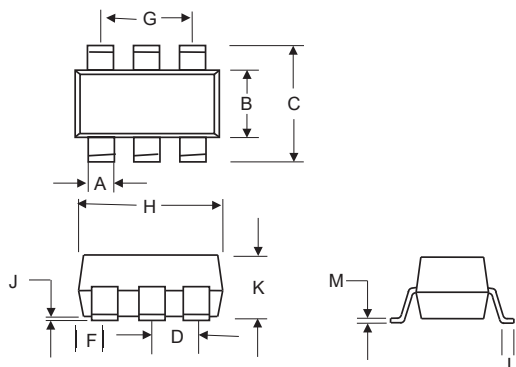
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.248	.264	6.30	6.70	
B	.130	.146	3.30	3.70	
C	.264	.287	6.70	7.30	
D	.001	.004	0.02	0.10	
E	.114	.122	2.90	3.10	
F	.091		2.30		
G	--	.071	--	1.80	
H	.009	.014	0.23	0.35	
J	.030	--	0.75	--	

### SOT-143



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.110	.120	2.80	3.04	
B	.047	.055	1.20	1.39	
C	.033	.045	0.84	1.14	
D	.012	.020	0.30	0.50	
E	.083	.098	2.11	2.50	
F	.031	.037	0.79	0.93	
G	.070	.080	1.78	2.03	
H	.028	.033	0.72	0.83	
I	.018	.024	0.46	0.60	
J	.003	.006	0.08	0.15	

### SOT-363

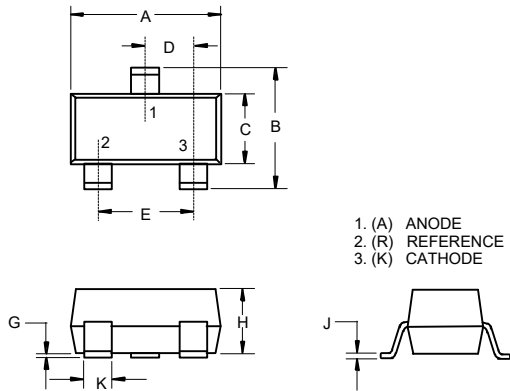


DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.006	.014	0.15	0.35	
B	.045	.053	1.15	1.35	
C	.085	.096	2.15	2.45	
D	.026		0.65Nominal		
G	.047		1.20	1.40	
H	.071	.087	1.80	2.20	
J	---	.004	---	0.10	
K	.035	.043	0.90	1.10	
L	.010	.018	0.26	0.46	
M	.003	.006	0.08	0.15	

### SOT23-6L

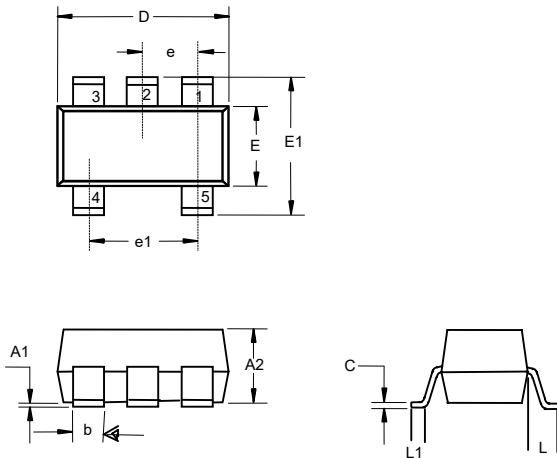
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.013	.020	0.35	0.50	
B	.060	.066	1.52	1.68	
C	.106	.114	2.70	2.90	
D	.037		0.95BSC		
G	.074		1.90BSC		
H	.111	.117	2.82	2.98	
J	.002	.006	0.05	0.15	
K	.035	.051	0.90	1.30	
L	.013	.021	0.35	0.55	
M	.003	.008	0.08	0.22	

## PACKAGE OUTLINES



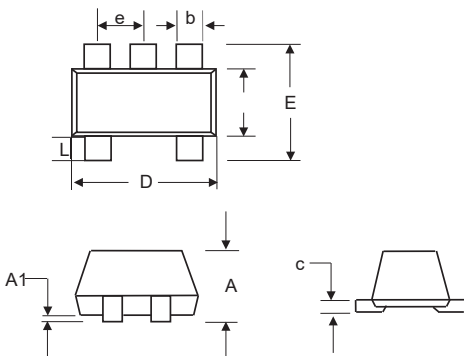
### SOT-23-3L

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.113	.117	2.87	2.97	
B	.108	.112	2.75	2.85	
C	.061	.065	1.55	1.65	
D	.036	.038	.925	.975	
E	.073	.077	1.85	1.95	
G	.0016	.0039	.04	.100	
H	.044	.049	1.12	1.25	
J	.006	.007	.14	.17	
K	.013	.015	.34	.37	



### SOT-353

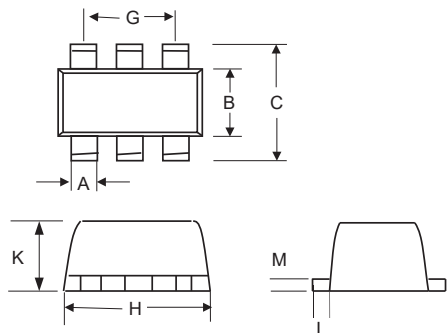
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A1	---	.004	---	0.100	
A2	.035	.039	0.900	1.000	
b	.006	.014	0.150	0.350	
c	.003	.006	0.080	0.150	
D	0.79	.087	2.000	2.200	
E	.045	.053	1.150	1.350	
E1	.085	.096	2.150	2.450	
e	.026TYP		0.650TYP		
e1	.047	.055	1.200	1.400	
L	.021REF		0.525REF		
L1	.010	.018	0.260	0.460	



### SOT-553

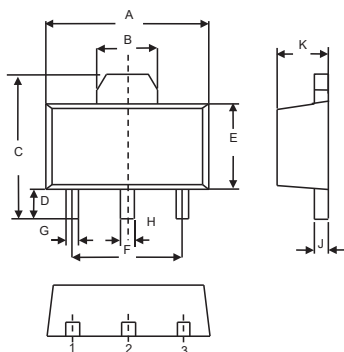
DIM	INCHES			
	MIN		MIN	MAX
A	.021	.024	.525	.60
A1	.0	.002	.00	.05
e	.018	.022	.45	.55
c	.004	.006	.09	.16
D	.059	.067	1.5	1.7
b	.007	.011	.17	.27
E1	.04	.051	1.1	1.3
E	.059	.067	1.5	1.7
L	.004	.012	.100	.300

## PACKAGE OUTLINES



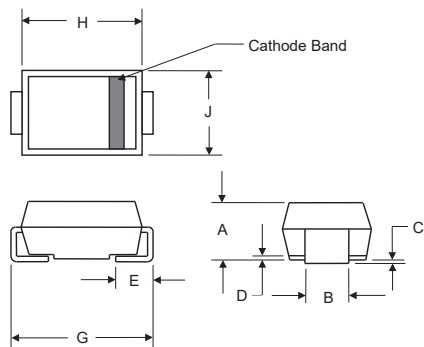
### SOT-563

DIM	DIMENSIONS				NOTE
	INCHES		M		
	MIN	M	MIN	MAX	
A	.00	.011	0.15	0.30	
B	.04	.049	1.10	1.25	
C	.061		1.55	1.70	
D	.02		0.50		
G	.03	.043	0.90	1.10	
H	.059		1.50	1.70	
K	.02	.023	0.56	0.60	
L	.00	.011	0.10	0.30	
M	.00	.007	0.10	0.18	



### SOT-89

DIM	DIMENSIONS				NOTES
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.173	.181	4.39	4.60	
B	.063	.071	1.60	1.80	
C	.154	.165	3.91	4.25	
D	.031	.039	0.80	1.00	
E	.092	.100	2.34	2.54	
F	.118	-----	3.00	-----	TYP
G	.013	.019	0.33	0.48	
H	.015	.021	0.38	0.53	
J	.015	.016	0.38	0.41	
K	.055	.063	1.40	1.60	



### SMA (DO-214AC)

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.075	.096	1.90	2.44	
B	.055	.062	1.40	1.60	
C	.002	.008	0.051	0.203	
E	.030	.060	0.76	1.52	
G	.188	.208	4.80	5.28	
H	.157	.181	4.00	4.60	
J	.098	.114	2.50	2.90	

### SMB (DO-214AA)

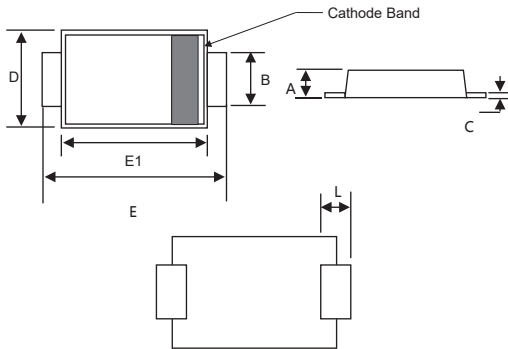
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.083	.096	2.13	2.44	
B	.075	.083	1.91	2.11	
C	.002	.008	.051	.203	
D	-----	.02	-----	.51	
E	.030	.060	0.76	1.52	
G	.200	.220	5.08	5.59	
H	.160	.185	4.06	4.70	
J	.130	.155	3.30	3.94	

### SMC (DO-214AB)

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.079	.103	2.00	2.62	
B	.108	.128	2.75	3.25	
C	.002	.008	0.051	0.203	
D	-----	.020	-----	0.51	
E	.030	.060	0.76	1.52	
G	.305	.320	7.75	8.13	
H	.260	.280	6.60	7.11	
J	.220	.245	5.59	6.22	

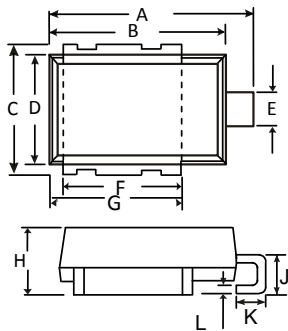
## PACKAGE OUTLINES

### SMA-FL(DO-221AC)



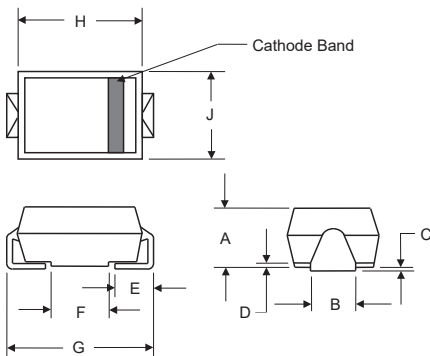
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.035	.047	0.90	1.20	
B	.049	.065	1.25	1.65	
C	.004	.016	.010	0.40	
D	.089	.116	2.25	2.95	
E	.173	.220	4.40	5.60	
E1	.126	.181	3.20	4.60	
L	.028	.059	0.70	1.50	

### DO-218AB



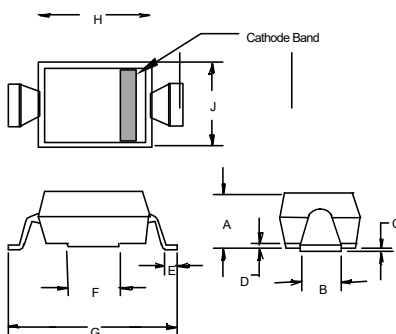
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.590	0.630	15.00	16.00	
B	0.524	0.539	13.30	13.70	
C	0.374	0.413	9.50	10.50	
D	0.323	0.339	8.20	8.60	
E	0.091	0.114	2.30	2.90	
F	0.343	0.366	8.70	9.30	
G	0.382	0.406	9.70	10.30	
H	0.189	0.205	4.80	5.20	
J	0.098	0.138	2.50	3.50	
K	0.067	0.106	1.70	2.70	
L	0.020	0.028	0.50	0.70	

### SMAE



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.079	.096	2.01	2.44	
B	.011	.027	0.28	0.69	
C	.002	.008	.05	.20	
D	---	.02	---	.51	
E	.030	.060	.76	1.52	
G	.189	.208	4.80	5.30	
H	.157	.180	4.00	4.57	
J	.090	.115	2.29	2.92	

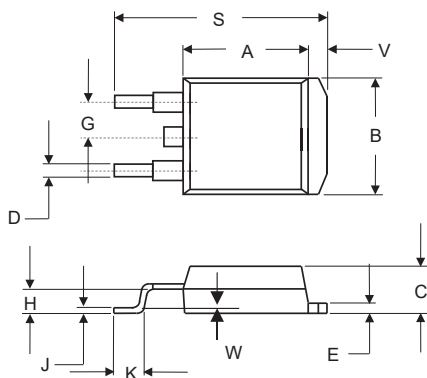
### HSMBG (DO-215AA)



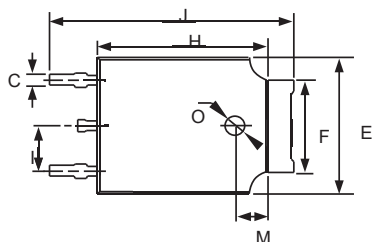
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.075	.116	1.90	2.95	
B	.078	.087	1.98	2.21	
C	.002	.008	.05	.20	
D	---	.02	---	.51	
E	.015	.03	.38	.76	
F	.065	.084	1.65	2.13	
G	.245	.276	6.22	7.00	
H	.160	.180	4.06	4.57	
J	.130	.151	3.30	3.83	

## PACKAGE OUTLINES

### D<sup>2</sup>-PACK

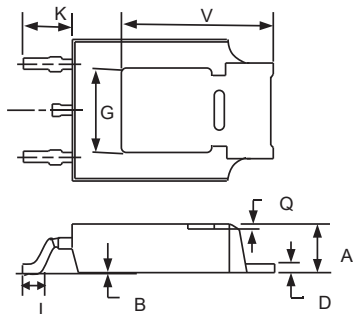


DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.320	.359	8.13	9.14	
B	.380	.411	9.65	10.45	
C	.160	.190	4.06	4.83	
D	.020	.035	0.51	0.89	
E	.045	.055	1.14	1.40	
G	.095	.105	2.41	2.67	
H	.096	.134	2.43	3.40	
J	.014	.021	0.35	0.53	
K	.090	.131	2.29	3.32	
S	.575	.625	14.22	16.22	
V	.045	.055	1.14	1.40	
W	0	.006	0	0.15	

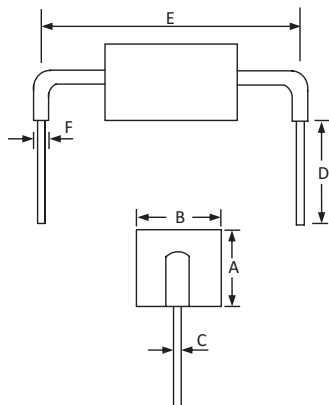


### D-PACK

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.235	0.250	5.97	6.35	
B	0.250	0.265	6.35	6.73	
C	0.086	0.094	2.19	2.38	
D	0.027	0.035	0.69	0.88	
E	0.033	0.040	0.84	1.01	
F	0.037	0.047	0.94	1.19	
G	0.180	BCS	4.85	BCS	
H	0.034	0.040	0.87	1.01	
J	0.018	0.023	0.46	0.58	
K	0.102	0.114	2.60	2.89	
L	0.090	BCS	2.29	BCS	
R	0.175	0.215	4.45	5.46	
S	0.020	0.050	0.51	1.27	
U	0.020	-----	0.51	-----	
V	0.030	0.050	0.77	1.27	

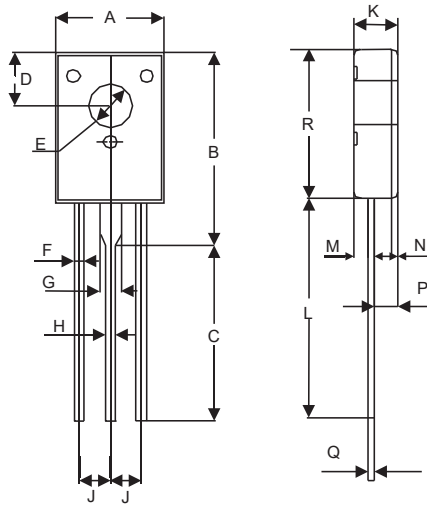


### AK



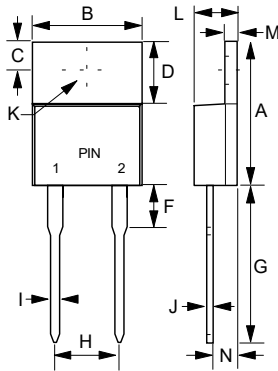
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	---	.630	---	16.00	
B	---	.709	---	18.00	
C	.047	.052	1.20	1.32	
D	.197	---	5.00	---	
E	.922	.979	23.43	24.87	
F	---	.157	---	4.00	

## PACKAGE OUTLINES



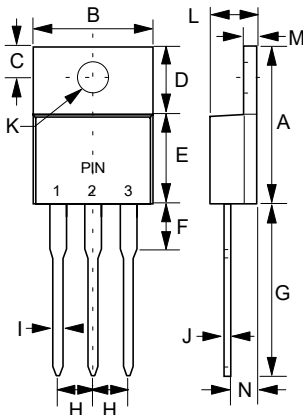
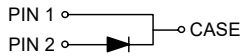
**TO-126**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.30	0.33	7.70	8.30	
B		0.56		14.20	
C	0.50	0.53	12.76	13.36	
D	0.15	0.16	3.80	4.0	
E	0.12	0.13	3.10	3.30	
F	0.025	0.033	0.65	0.85	
G	0.06	0.07	1.50	1.70	
H	0.025	0.033	0.65	0.85	
J	0.08	0.10	2.08	2.48	
K	0.12	0.14	3.05	3.45	
L	0.63	0.64	15.90	16.30	
M		0.04		1.0	
N		0.02		0.5	
P	0.06	0.08	1.55	1.95	
Q	0.018	0.023	0.45	0.60	
R	0.43	0.44	10.80	11.20	



**TO-220AC**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.560	.625	14.22		
B	.380	.420	9.65		
C	.100	.135	2.54	3.43	
D	.230	.270	5.84	6.86	
F	-----	.250	-----	6.35	
G	.500	.580	12.70		
H	.190	.210	4.83	5.33	
I	.020	.045	0.51	1.14	
J	.012	.025	0.30	0.64	
K	.139	.161	3.53	4.09	
L	.140	.190	3.56	4.83	
M	.045	.055	1.14	1.40	
N	.080	.115	2.03	2.92	



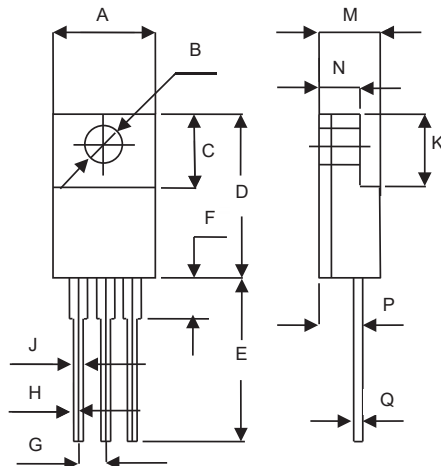
**TO-220AB**

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.56	.625	14.22	15.88	
B	.38		9.65	10.67	
C	.10	.135	2.54	3.43	
D	.23	.270	5.84	6.86	
E	.380	.420	9.65	10.67	
F	-----		-----		
G	.500	.580	12.70	14.73	
H	.090	.110	2.29	2.79	
I	.02	.045	0.51	1.14	
J	.012	.025	0.30	0.64	
K	.139	.161	3.53	4.09	∅
L	.140	.190	3.56	4.83	
M	.045	.055	1.14		
N	.080	.115	2.03	2.92	

- PIN 1. BASE  
2. COLLECTOR  
3. EMITTER

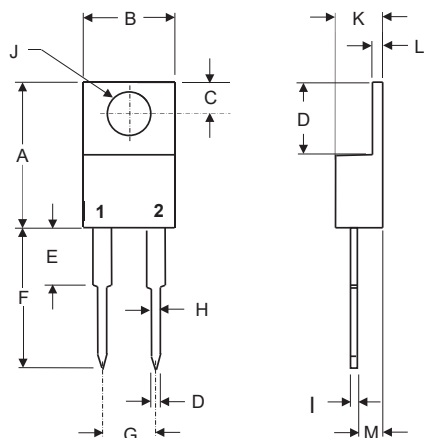
## PACKAGE OUTLINES

### ITO-220AB



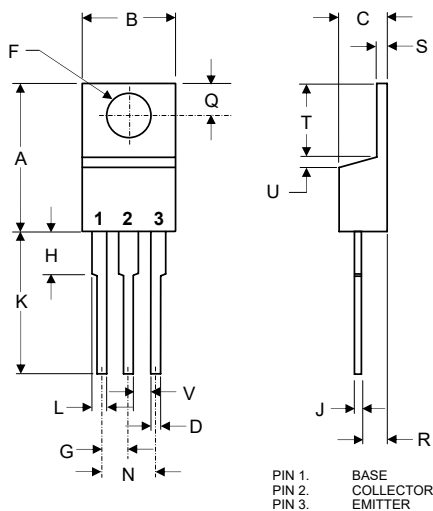
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.58	.642	14.80	16.30	
B	---	.406	---	10.30	
C	.10	.112	2.55	2.85	
D	.24	.272	6.30	6.90	
E	---	.161	---	4.10	
F	---	.071	---	1.80	
G	.51	.543	13.00	13.80	
H	.100		2.55		
I	---	.035	---	0.90	
J	---	.032	---	0.80	
K	.10	.134	2.80	3.40	∅
L	---	.189	---	4.80	
M	---	.130	---	3.30	
N	.09	.114	2.50	2.90	
O	---	.055	---	1.40	

### ITO-220AC



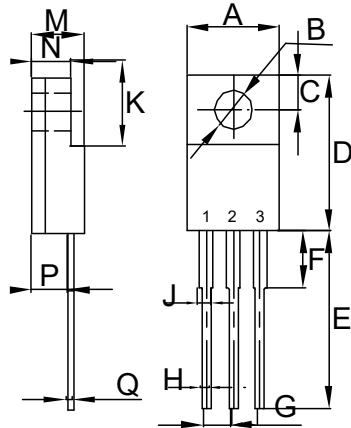
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.583	.606	14.80	15.40	
B	--	.406	---	10.30	
C	.100	.112	2.55	2.85	
D	.248	.272	6.30	6.90	
E	--	.161	---	4.10	
F	.512	.543	13.00	13.80	
G	.20		5.10		
H	--	.035	---	0.90	
I	--	.032	---	0.80	
J	.118	.134	3.00	3.40	∅
K	--	.189	---	4.80	
L	--	.123	---	3.10	
M	.098	.114	2.50	2.90	

### TO-220



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.560	.625	14.22	15.88	
B	.380	.420	9.65	10.67	
C	.140	.190	3.56	4.82	
D	.020	.045	0.51	1.14	
F	.139	.161	3.53	4.09	∅
G	.190	.110	2.29	2.79	
H	---	.250	---	6.35	
J	.012	.025	0.30	0.64	
K	.500	.580	12.70	14.73	
L	.045	.060	1.14	1.52	
N	.190	.210	4.83	5.33	
Q	.100	.135	2.54	3.43	
R	.080	.115	2.04	2.92	
S	.045	.055	1.14	1.39	
T	.230	.270	5.84	6.86	
U	----	.050	----	1.27	
V	.045	----	1.15	----	

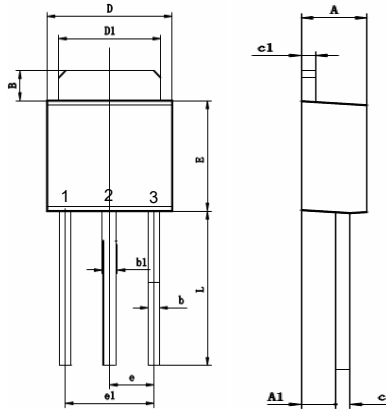
## PACKAGE OUTLINES



### TO-220F

PIN 1. BASE  
PIN 2. COLLECTOR  
PIN 3. EMITTER

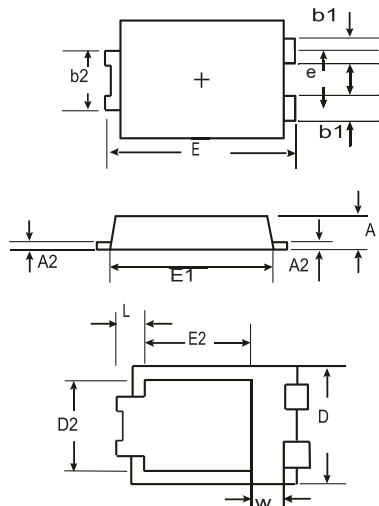
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	M	MIN	M	
A	.38	.406	9.70	10.30	
B	.118	.134			φ
C		.118		3.00	
D	.579	.602	14.70	15.30	
E	.51	---	13.00	---	
F	---	.220	---	5.60	
G	.090	.110			
H	.024	.035			
J		.043		1.10	
K		.154		3.90	
M	.169	.185			
N	.098	.114			
P		.102		2.60	
Q	.024	.035			



### TO-251

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.087	.094	2.20	2.40	
A1	.042	.054	1.05	1.35	
B	.053	.065	1.35	1.65	
b	.020	.028	0.50	0.70	
b1	.028	.035	0.07	0.09	
c	.017	.023	0.43	0.58	
c1	.017	.023	0.43	0.58	
D	.250	.262	6.35	6.65	
D1	.205	.213	5.20	5.40	
E	.213	.224	5.40	5.70	
e1		0.091TYP		2.300TYP	
e	.177	.185	4.50	4.70	
L	.295	.311	7.50	7.90	

1.GATE  
2.DRAIN  
3.SOURCE

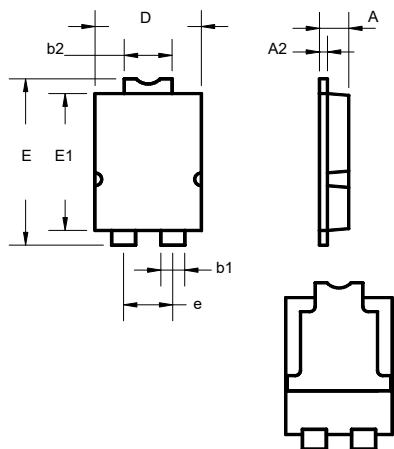


### TO-277B

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.039	.047	1.00	1.20	
A2	.006	.017	0.15	0.43	
b1	.030	.041	0.75	1.05	
b2	.065	.077	1.65	1.95	
D	.148	.169	3.75	4.30	
D2	.110	.126	2.80	3.20	
E	.250	.264	6.35	6.70	
e	.065	.077	1.65	1.95	
E1	.207	.228	5.25	5.80	
E2	.120	.142	3.05	3.60	
L	.028	.051	0.70	1.30	
W	.031	.056	0.80	1.42	

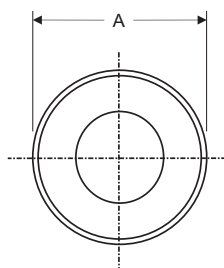
## PACKAGE OUTLINES

### TO-277



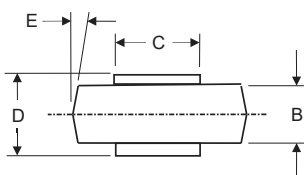
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.041	.045	1.05	1.15	
A2	.010	.014	0.25	0.35	
b1	.031	.039	0.80	1.00	
b2	.067	.075	1.70	1.90	
D	.154	.161	3.90	4.10	
E	.252	.260	6.40	6.60	
E1	.20	.215	5.20	5.40	
e	.071	.075	1.80	1.90	

### RA



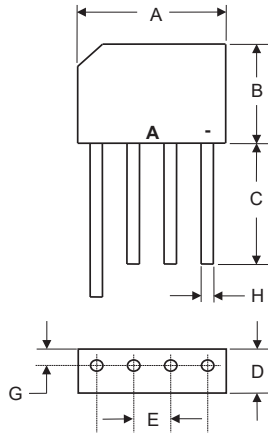
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.380	.410	9.7	10.4	∅
B	.165	.185	4.2	4.7	
C	.215	.225	5.5	5.7	∅
D	.235	.250	6.0	6.4	∅
E	----	5°	----	5°	NOM

### SRA



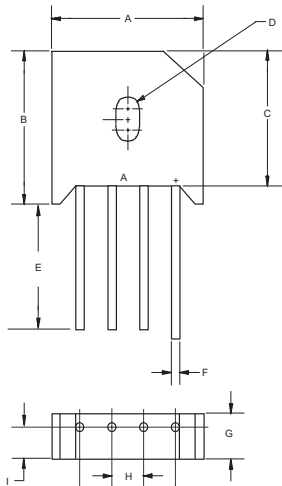
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.327	.347	8.3	8.9	∅
B	.165	.185	4.2	4.7	
C	.215	.225	5.5	5.7	∅
D	.235	.250	6.0	6.4	∅
E	----	5°	----	5°	NOM

## PACKAGE OUTLINES



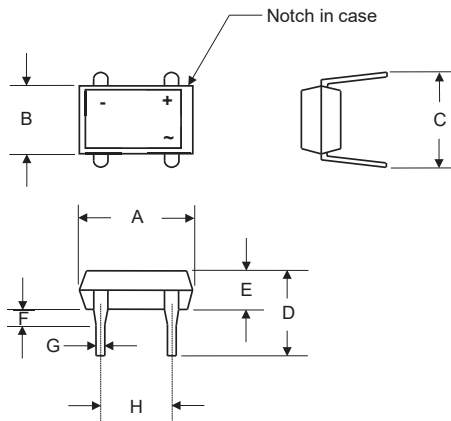
### RS-4L

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.728	.768	18.50	19.50	
B	.600	.640	15.20	16.30	
C	.750	----	19.00	----	
D	.236	.256	6.00	6.50	
E	.180	.220	4.60	5.60	3 PL
G	----	.083	----	2.10	
H	.048	.052	1.20	1.30	∅



### RS-6

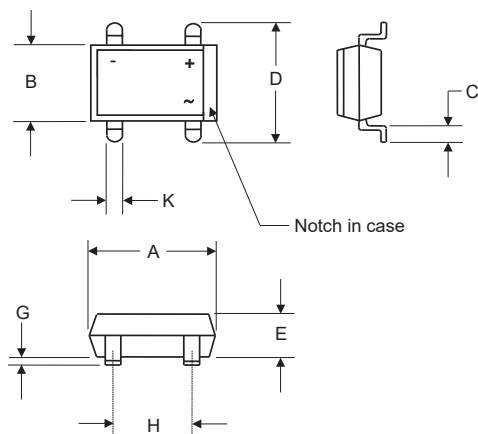
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.895	.935	22.70	23.70	
B	---	.760	---	19.30	
C	.660	.728	16.80	18.50	
D	.15∅ x	.23L	3.8∅ x	5.57L	HOLE
E	.787	---	20.00	---	
F	.048	.052	1.20	1.30	TYP
G	.260	.280	6.60	7.10	
H	.180	.220	4.60	5.60	
I	.181	.205	4.60	5.20	



### DB-1

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.316	.335	8.05	8.51	
B	.245	.255	6.20	6.50	
C	.300	.350	7.60	8.90	
D	.236	.299	6.01	7.60	
E	.102	.130	2.60	3.30	
F	.060		1.50		Typ
G	.016	.022	0.41	0.56	Typ
H	.195	.205	5.00	5.20	

## PACKAGE OUTLINES

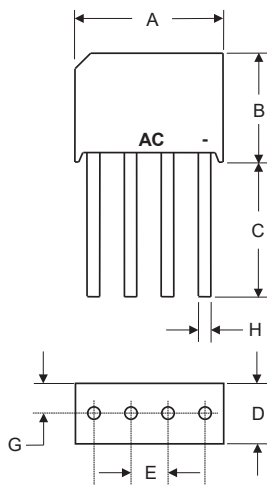


**SDB-1**

**SDBL-1**

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.316	.335	8.05	8.51	
B	.245	.255	6.20	6.50	
C	.040	.060	1.02	1.50	
D	.360	.410	9.40	10.4	
E	.102	.130	2.60	3.30	
G	.003	.013	.076	.330	
H	.195	.205	5.00	5.20	
K	.038	.047	1.00	1.20	

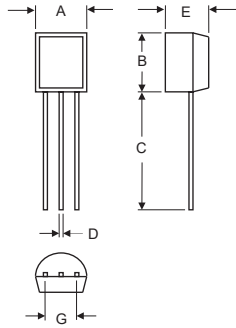
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.320	.335	8.12	8.51	
B	.244	.256	6.20	6.50	
C	.040	.060	1.02	1.53	
D	.366	.413	9.30	10.5	
E	.087	.095	2.20	2.40	
F	.006	.013	0.15	.33	
G	.003	.013	.076	0.33	
H	.195	.205	5.00	5.20	
K	.037	.047	0.95	1.20	



**BR-8D**

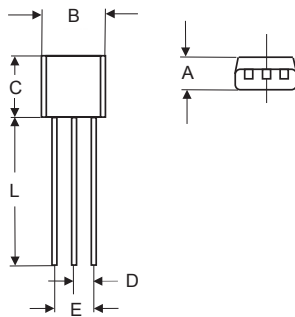
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	---	.693	---	17.54	
B	---	.532	---	13.50	
C	---	1.00	---	25.40	
D	.236	.255	6.00	6.45	
E	.145	---	3.70	---	3PL/TYP
G	---	.125	---	.20	TYP
H	.030	---	.76	---	

## PACKAGE OUTLINES



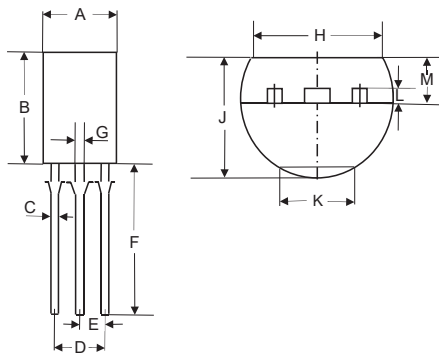
### TO-92

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.175	.185	4.45	4.70	
B	.175	.185	4.45	4.70	
C	.500	---	12.70	---	
D	.016	.020	0.41	0.63	
E	.135	.145	3.43	3.68	
G	.095	.105	2.42	2.67	Straight Lead Bent
	.173	.220	4.40	5.60	



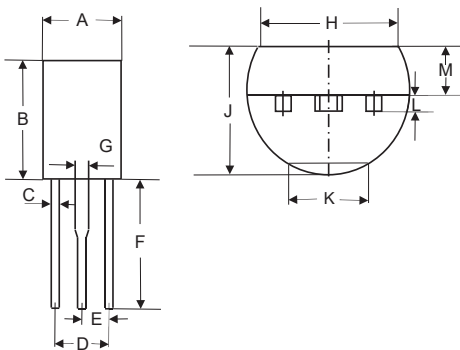
### TO-92S

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.056	.064	1.42	1.62	
B	.154	.161	3.90	4.10	
C	.120	.128	3.05	3.25	
D	.050		1.27		Straight Lead Bent Lead
	.086	.110	2.20	2.80	
E	.096	.104	2.44	2.64	Straight Lead Bent Lead
	.173	.220	4.40	5.60	
L	.594	.610	5.10	15.50	



### TO-92L

DIMENSIONS					
DIM	MM		INCHES		NOTE
	MIN	MAX	MIN	MAX	
A	3.700	4.100	.146	.161	
B	4.000	---	.157	---	
C	0.000	0.300	0.000	0.012	
D	0.350	0.450	.014	.018	
E	1.280	1.580	.050	.062	
F	4.700	5.100	.185	.201	
G	7.800	8.200	.307	.323	
H	13.80	14.20	.543	.559	
J	.600	.800	.024	.031	
K	0.350	.550	.014	.022	
L	1.270		.050		Straight Lead Bent Lead
	2.200	2.800	.086	.110	
M	2.440	2.640	.096	.104	Straight Lead Bent Lead
	4.400	5.600	.173	.220	

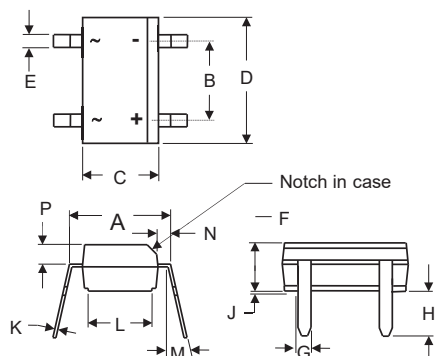


### TO-92MOD

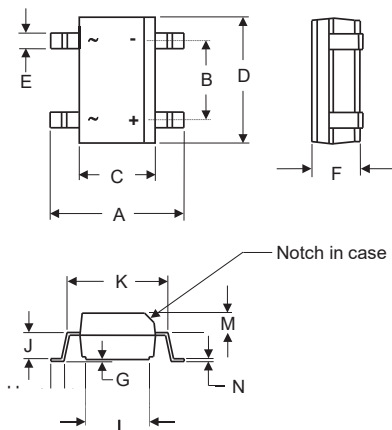
DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.228	.244	5.80	6.20	
B	.331	.346	8.40	8.80	
C	.016	.024	0.40	0.60	
D	.114	.122	2.90	3.10	Straight Lead Bent Lead
	.173	.220	4.40	5.60	
E	.059		1.50		Straight Lead Bent Lead
	.086	.110	2.20	2.80	
F	.543	.559	13.80	14.20	
G	.035	.043	0.90	1.10	
H	.157	---	4.00	---	
J	.185	.201	4.70	5.10	
K	---	.063	---	1.60	
L	.016	.020	0.40	0.50	
M	.06	.080	1.73	2.03	

## PACKAGE OUTLINES

### MB-1



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.195	.205	4.95	5.21	
B	.095	.105	2.41	2.67	
C	.144	.161	3.65	4.10	
D	.179	.190	4.55	4.83	
E	.039	.049	0.99	1.24	
F	.090	.106	2.30	2.70	
G	.017	.029	0.43	0.74	
H	.132	.148	3.35	3.75	
K	.006	.016	0.15	0.41	
L	.137	.147	3.48	3.73	
M	10 <sup>°</sup>	15 <sup>°</sup>	10 <sup>°</sup>	15 <sup>°</sup>	
N	.020	.028	0.51	0.71	



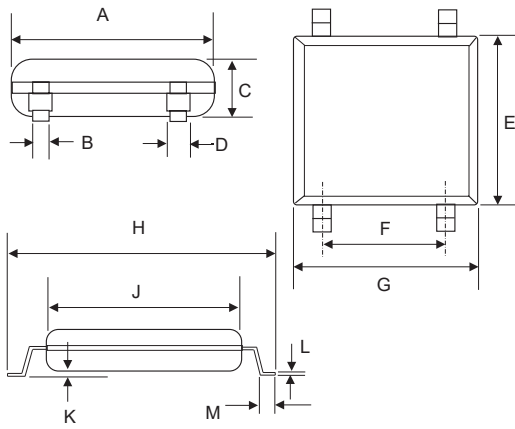
### MBS-1

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.252	.272	6.40	6.90	
B	.095	.105	2.41	2.67	
C	.144	.161	3.65	4.10	
D	.179	.195	4.55	4.95	
E	.017	.029	0.45	0.75	
F	.090	.106	2.30	2.70	
G	.004	.008	0.10	0.20	
H	.019	.038	0.48	0.96	
J	.058	.062	1.47	1.57	
K	.195	.205	4.95	5.21	
L	.110	.114	2.80	2.90	
M	.039	.049	0.99	1.24	
N	.006	.016	0.15	0.41	

### MBLS-1

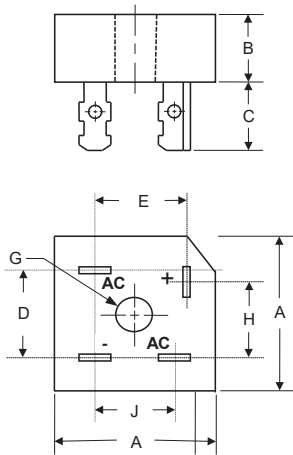
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.252	.283	6.40	7.20	
B	.087	.102	2.20	2.60	
C	.142	.193	3.60	4.90	
D	.179	.195	4.55	4.95	
E	.022	.033	0.55	0.84	
F	.045	.063	1.15	1.60	
G	.000	.008	0.00	0.20	
H	.016	.043	0.40	1.1	
N	.004	.016	0.10	0.35	

## PACKAGE OUTLINES



### LMBS-1

DIM	DIMENSIONS				NOTE
	HES				
	MIN	MAX	MIN	MAX	
A	.197	.205	4.90	5.20	
B	.024		0.6		
C	----	.059	----	1.50	
D	.024	.032	0.60	0.80	
E	----	.189	----	4.80	
F	.150	.165	3.80	4.20	
G	----	.209	----	5.30	
H	.236	.252	6.00	6.60	
J	.177	.185	4.30	4.70	
K	.0009	.004	0.02	0.21	
L	.006	.012	0.15	0.30	
M	.017	.031	0.25	0.80	

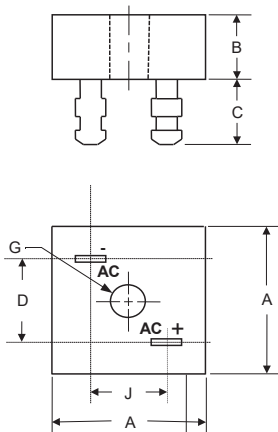


### MB-35

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	1.115	1.135	28.33	28.83	
B	.427	.447	10.85	11.35	
C	.428	.468	10.87		
D	.688	.730	17.48		
E	.618	.658	15.70		
G	.200	---	5.08	---	∅
H	.618	.658	15.70	16.71	
J	.530	.570	13.46	14.48	

### MP-50

Same as MB-35 but the case is made up of a metal and plastic construction instead of just metal.

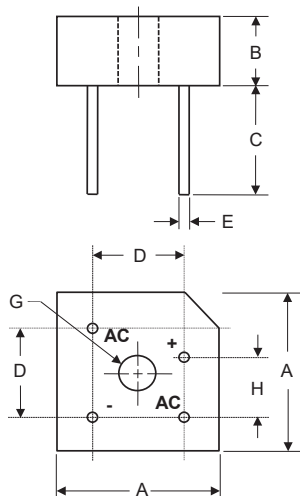


### MB-35D

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	----	1.142	----	29.00	
B	----	.453	----	11.50	
C	.425	.480	10.80		
D	.691	.732	17.54	18.60	
G	.188				
J	.543	.583	13.80	14.80	

## PACKAGE OUTLINES

### MB-35W

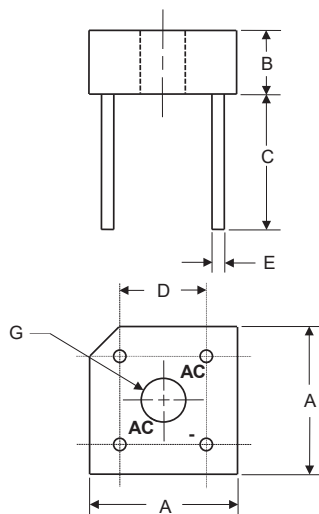


DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	1.115	1.135	28.33	28.83	
B	.427	.447	10.85	11.35	
C	.774	----	19.65	----	
D	.673	.752	17.10	19.10	
E	.038	.042	.96	1.07	Ø TYP
G	.193	----	4.90	----	Ø
H	.429	.468	10.90	11.90	

### MP-50W

Same as MB-50W but the case is made up of a metal and plastic construction instead of just metal.

### PB-6



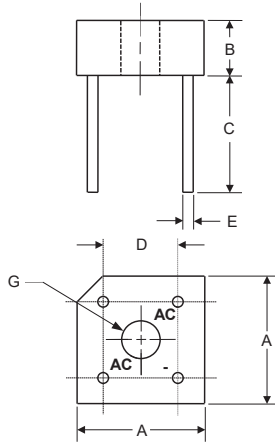
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.578	.618	14.69	15.71	2PL
B	.230	.270	5.84	6.86	
C	.750	---	9.10	---	
D	.405	.444	10.30	11.30	2PL
E	.038	.042	0.97	1.07	4PL/TYP
G	.145	---	3.70	---	Ø

### BR-6

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.578	---	---	15.71	2PL
B	.230	.270	5.84	6.86	
C	.750	---	19.10	---	
D	.405	.444	10.70	11.30	2PL
E	.038	.042	0.97	1.07	4PL/TYP
G	.145	---	3.70	---	Ø

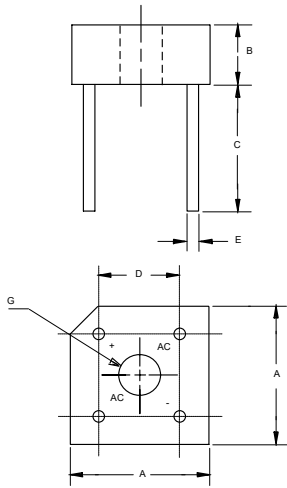
Note: The BR-6 Case is made of ceramic material

## PACKAGE OUTLINES



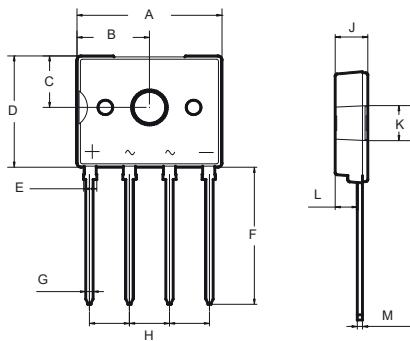
**PB-3**

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.580	.620	14.69	15.71	2 PL
B	.230	.270	5.84	6.86	
C	.750	----	19.00	----	
D	.405	.445	10.29	11.31	2 PL
E	.028	.032	0.71	0.81	∅ TYP
G	.140	.150	3.56	3.81	∅



**PB-10**

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.730	.770	18.50	19.56	2PL
B	.250	.300	6.35	7.60	
C	.750	---	19.10	---	
D	.480	.520	12.20	13.20	2PL
E	.050		1.27		4PL/TYP
G	HOLE FOR NO 6 SCREW				

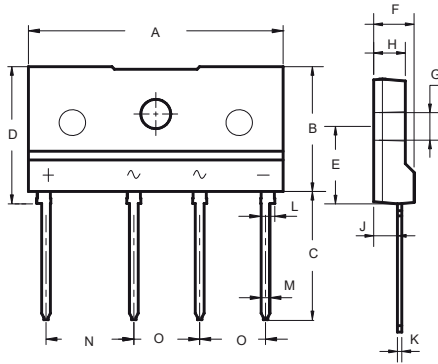


**D3K**

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.524	.563	13.30	14.30	
B	.252	.291	6.40	7.40	
C	.177	.217	4.50	5.50	
D	.406	.445	10.30	11.30	
E	.041	.057	1.05	1.45	
F	.516	.531	13.10	13.50	
G	.024	.033	0.60	0.85	
H	.146	.154	3.70	3.90	
J	.102	.142	2.60	3.60	
K	.122	.134	3.10	3.40	
L	.079	.087	2.00	2.20	
M	.016	.024	0.40	0.60	

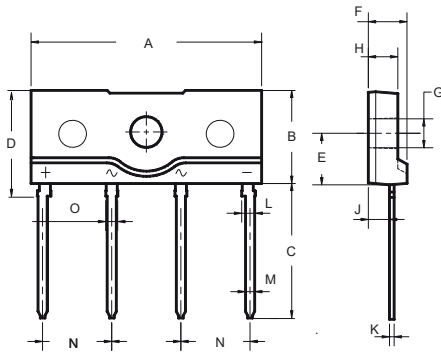
## PACKAGE OUTLINES

### JA

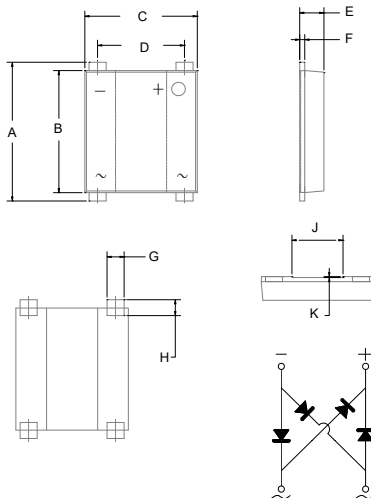


DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	1.13	1.154	28.70	29.30	
B	.559	.583	14.20	14.80	
C	.575	.598	14.60	15.20	
D	.614	.638	15.60	16.20	
E	.343	.366	8.70	9.30	
F	.169	.193	4.30	4.90	
G	.122	.134	3.10	3.40	
H	.130	.154	3.30	3.90	
J	.098	.114	2.50	2.90	
K	.012	.024	0.40	0.60	
L	.059	.067	1.50	1.70	
M	.035	.043	0.90	1.10	
N	.390	.400	9.80	10.20	
O	.290	.300	7.30	7.70	

### JB



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.972	.996	24.70	25.30	
B	.394	.417	10.00	10.60	
C	.575	.598	14.60	15.20	
D	.449	.472	11.40	12.00	
E	.213	.236	5.40	6.00	
F	.154	.177	3.90	4.50	
G	.122	.134	3.10	3.40	
H	.114	.138	2.90	3.90	
J	.079	.102	2.00	2.60	
K	.012	.024	0.40	0.60	
L	.053	.061	1.35	1.55	
M	.035	.043	0.90		
N	.287	.303	7.30	7.70	
O	.047	.055	1.20	1.40	

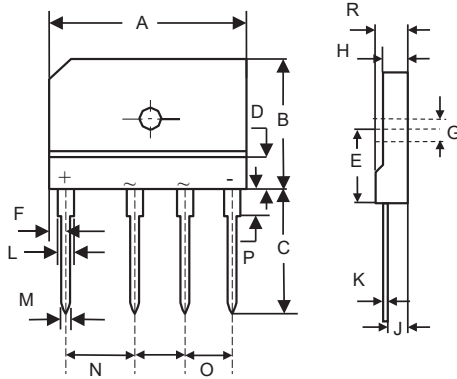


### TBS

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.311	.339	7.90	8.60	
B	.283	.291	7.20	7.40	
C	.256	.264	6.50	6.70	
D	.197	.205	5.00	5.20	
E	.051	.059	1.30	1.50	
F	.011	.016	0.27	0.40	
G	.037	.045	0.95	1.15	
H	.028	.041	0.70	1.05	
J	.114	.122	2.90	3.10	
K	.0015	.003	0.04	0.08	

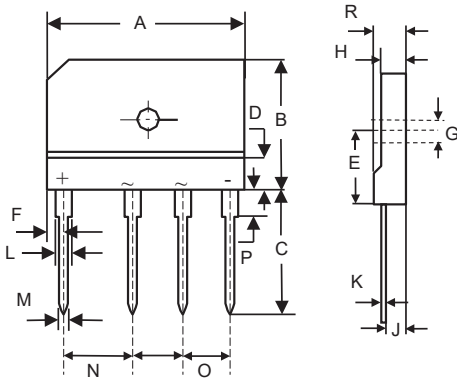
## PACKAGE OUTLINES

### GBJ



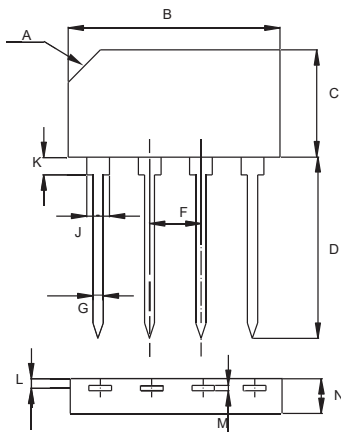
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	1.170	1.190	29.70	30.30	
B	.780	.800	19.70	20.30	
C	.670	.710	17.00	18.00	
D	.185	.193	4.70	4.90	
E	.430	.440	10.80	11.20	
F	.090	.110	2.30	2.70	
G	.120	.130	3.10	3.40	
H	.130	.150	3.40	3.80	
R	.170	.190	4.40	4.80	
J	.100	.110	2.50	2.90	
K	.020	.030	0.60	0.80	
L	.080	.090	2.00	2.40	
M	.035	.043	0.90	1.10	
N	.390	.400	9.80	10.20	
O	.290	.300	7.30	7.70	
P	.150	.170	3.80	4.20	

### GBJL



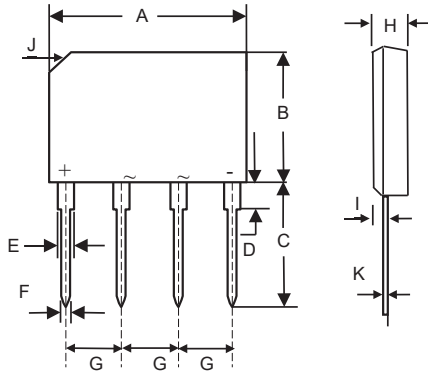
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	1.067	1.091	27.10	27.70	
B	.551	.575	14.00	14.60	
C	.570	.610	4.50	15.50	
D	.071 typ		1.80 typ		
E	.339	.354	8.60	9.00	
F	.071	.087	0	2.20	
G	.120	.134	3.00	3.40	
H	.110	.126	2 0	3.20	
J	.098	.114	2 0	2.90	
K	.012	.028	0.30	0.70	
L	.098	.114	2 0	2.90	
M	.035	.043	0.90		
N	.390	.400	9.80	10.20	
O	.290	.300	7.30	7.70	
P	.079	.094	0	2.40	
R	.150	.157	3 0	4.00	

### GBL



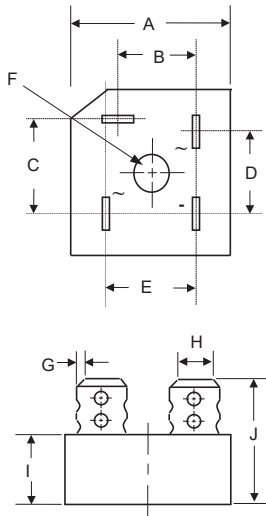
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.125 X 0.125		3.17 X 3.17		X 45°
B	.768		19.5		
C	.411		.453		
D	.682		.740		
F	.18				
G	.035	.050	0.90	1.27	
J	.063	.098	1.60	2.50	
K	.060	.106	1.05	2.70	
L	.030	.031	0.76	1.20	
M	.016	.026	0.40	6	
N	.128	.146			

## PACKAGE OUTLINES



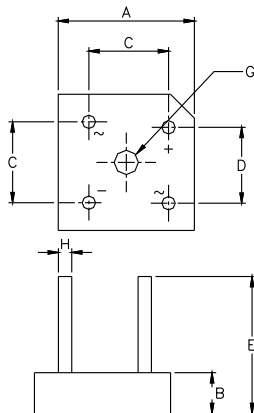
### GBP

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.561				
B	.410	.417	1	10.60	
C	.561	.581	1	14.73	
D	.090		2.29		
E	.046	.056	1.1		
F	.030	.034	0.76	0.86	
G	.140	.160	3.56	4.06	
H	.138	.161	3.50	4.10	
I	.045	.060	1.14	1.52	
J	.110 x45°		2.80x45°		
K	.012		.300	.641	



### GBPC

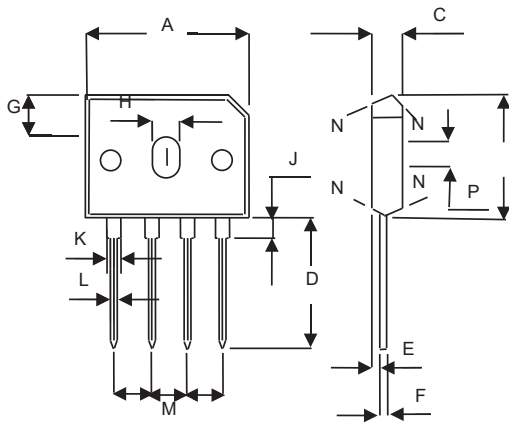
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	1.114	1.134	28.30	28.80	
B	.634	.673	16.10	17.10	
C	.634	.673	16.10	17.10	
D	.543	.583	13.80	14.80	
E	.693	.732	17.60	18.60	
F	0.197 Nominal		5.00 Nominal		∅
G	.030	.034	0.76	0.86	
H	.244	.256	6.20	6.50	
I	.291	.315	7.40	8.00	
J	.740	.839	18.80	21.30	



### GBPC-W

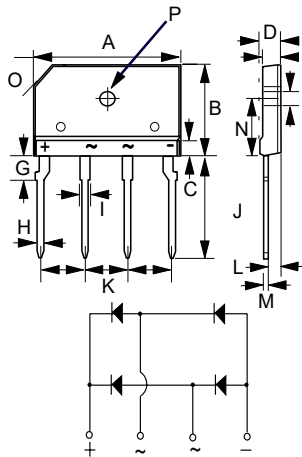
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	1.122	1.142	28.50	29.00	
B	.432	.442	10.97	11.23	
C	.673	.752	17.10	19.10	
D	.410	.490	10.40	12.40	
E	1.20	---	30.50	---	
H	.038	.042	0.97	1.07	
G	.200	.220	5.08	5.59	

## PACKAGE OUTLINES



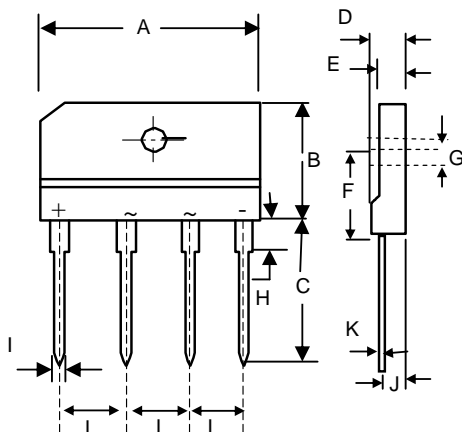
### GBU

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.860	.880	21.80	22.30	
B	.720	.740	18.30	18.80	
C	.130	.140	3.30	3.56	
D	.690	.710	17.50	18.00	
E	.030	.039	0.76	1.00	
F	.018	.022	0.46	0.56	
G	.290	.310	7.40	7.90	
H	.140	.160	3.50	4.10	
R	.065	.085	1.65	2.16	
J	.089	.108	2.25	2.75	
K	.077	.093	1.95	2.35	
L	.040	.050	1.02	1.27	
M	.190	.210	4.83	5.33	
N	7.0° TYPICAL				



### KBJ

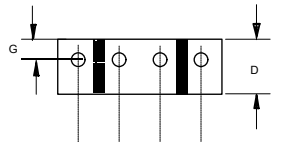
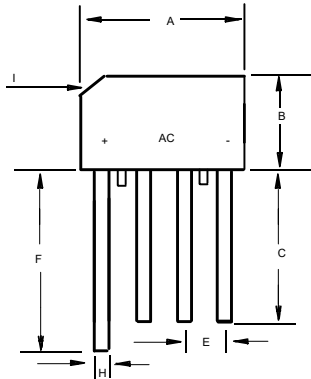
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.976	.992	24.80	25.20	
B	.579	.602	14.70	15.30	
C	.154	.161	3.90	4.10	
D	.173	.189	4.40	4.80	
E	.134	.150	3.40	3.80	
F	.122	.134	3.10	3.40	∅
G	.130	.146	3.30	3.70	
H	.035	.043	0.90	1.10	
I	.059	.075	1.50	1.90	
J	.669	.709	17.00	18.00	
K	.287	.303	7.30	7.70	
L	.098	.114	2.50	2.90	
M	.024	.031	0.60	0.80	
N	.366	.413	9.30	10.50	
O	.118X45°		3.0X45°		
P	.122	.134	3.10	3.40	∅



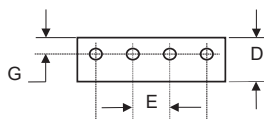
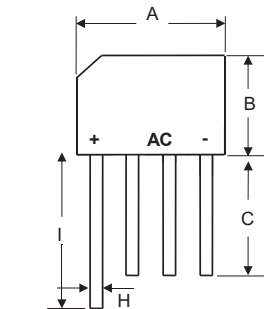
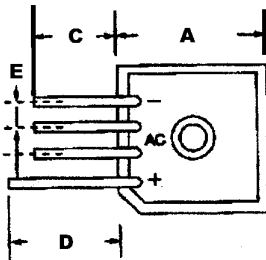
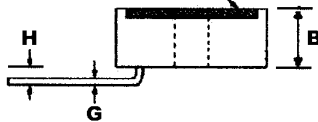
### KBJL

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.972	.996	24.70	25.30	
B	.394	.417	10.00	0.60	
C	.697	.736	17.70	18.70	
D	.142	.157	3.60	4.00	
E	.110	.126	2.80	3.20	
F	.217	.232	5.50	5.90	
G	.122	.134	3.10	3.40	
H	.669 typ		1.70 typ		
I	.035	.043	0.90	1.10	
J	.098	.114	2.50	2.90	
K	.016	.024	0.40	0.60	
L	.287	.303	7.30	7.70	

## PACKAGE OUTLINES



METAL HEAT SINK  
EPOXY CASE



### KBP

DIM	DIMENSION				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.560	.600	14.20	15.20	
B	.420	.460	10.70	11.70	
C	.500	---	12.70	---	
D	.142	.162	3.60	4.10	
E	.140	.160	3.60	4.10	
F	.600	---	15.20	---	
G	.039	.055	1.00	1.40	
H	.028	.034	0.76	0.86	
I	0.125X45		3.2X45		

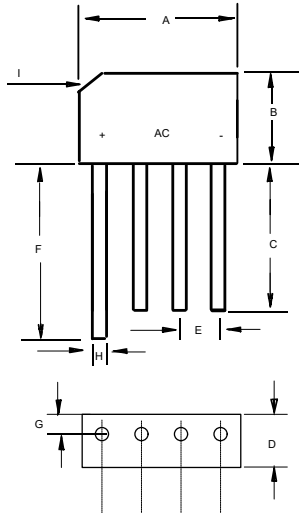
### KBPC

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	1.12	1.13	28.40	28.70	
B	.295	.335	7.50	8.50	
C	.547	---	13.90	---	
D	.752	---	---	---	
E	.201	---	5.10	---	
G	.047	---	1.20	---	∅
H	.120	.142	3.05	3.60	

### KBPL

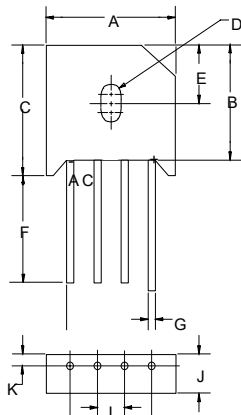
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	X	MIN	MAX	
A	.559	.60	14.22	15.24	
B	.2	.46	10.60	11.68	
C	.50	---	12.7	---	
D	.146	.153	3.70	3.90	
E	.142	.161	3.60	4.10	
G	.046	.054	1.17	1.37	
H	.028	.034	0.70	0.90	
I	.561	---	14.25	---	

## PACKAGE OUTLINES



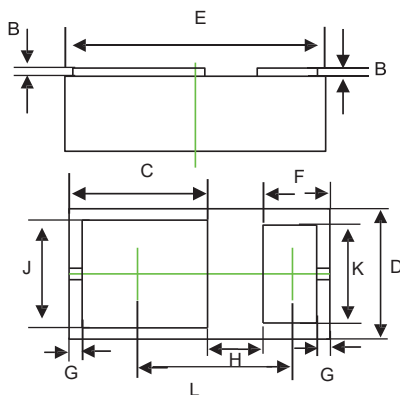
### KBPR

DIM	DIMENSION				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.560	.600	14.32	15.24	
B	.420	.460	10.70	11.70	
C	.500	---	12.70	---	
D	.132	.144	3.35	3.65	
E	.140	.160	3.60	4.10	
F	.600	---	15.24	---	
G	.035	.047	0.90	1.20	
H	.028	.034	0.76	0.86	
I	0.12X45		3.0X45		



### KBU

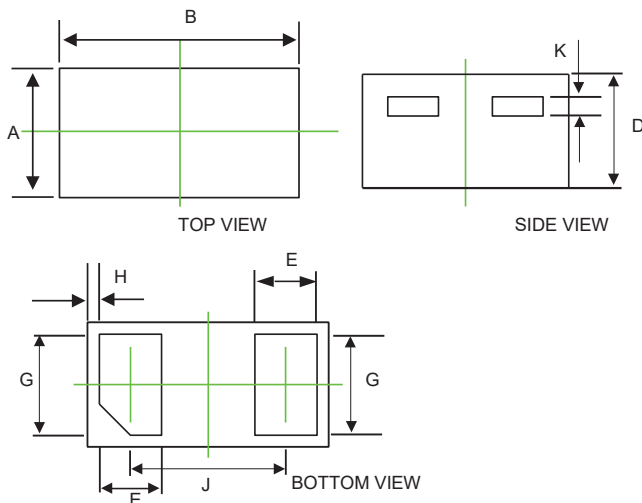
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.895	.935	22.7	23.7	
B	.600	.700	16.8	17.8	
C	.740	.780	18.8	19.8	NOM
D	.15 $\varnothing$ x	.23L	3.8 $\varnothing$ x	5.7L	HOLE
E	---	.300	---	7.5	NOM
F	.100	--	25.4	---	
G	.048	.052	1.2	1.3	
J	.268	.280	6.8	7.1	
K	---	.140	---	5.3	NOM
L	.180	.220	4.6	5.6	3PL



### FBP-02L

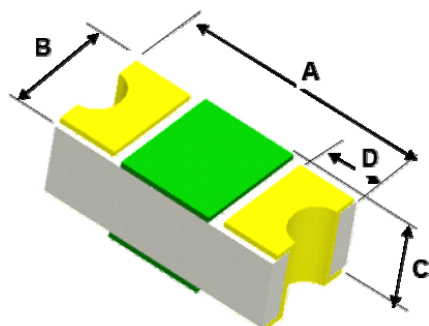
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.018	0.022	0.45	0	
B	0.000	0.004	0.01	0	
C	0.033 REF.		0.850 REF.		
D	0.030	0.033	0.75	0	
E	0.06	0.065	1.55	1	
F	0.016 REF.		0.410 REF.		
G	0.003 REF.		0.080 REF.		
H	0.013 REF.		0.340 REF.		
J	0.02	0.030	0.60	0.76	
K	0.02	0.027	0.52	0.68	
L	0.035	0.039	0.90	1.00	

## PACKAGE OUTLINES



### 0201

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN		MIN		
A	0.011	0.015	0.27	0.37	
B	0.22	0.026	0.57	0.67	
D	0.011	0.013	0.275	0.34	
E	0.05	0.008	0.125	0.	
G	0.009	0.012	0.225		
H	0.001 REF.		0.030 REF.		
J	0.014	0.017	0.365	0.435	
K	0.002REF.		0.050REF.		

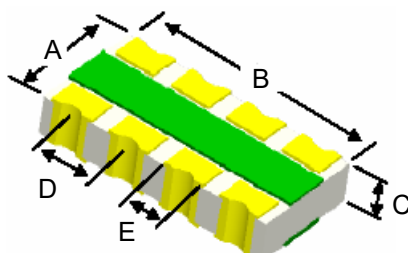


### 0402

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.035	.047	0.90	1.20	
B	.017	.026	0.45	0.65	
C	.010	.018	0.25	0.45	
D	.006	.014	0.15	0.35	
E	.024	.028	0.60	0.70	
F	.017	.022	0.45	0.55	
G	.033	.037	0.85	0.95	

### 0603

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.057	.069	1.45	1.75	
B	.027	.038	0.70	0.95	
C	.011	.019	0.27	0.47	
D	.008	.020	0.20	0.50	
E	.035	.040	0.90	1.00	
F	.023	.028	0.60	0.70	
G	.051	.056	1.30	1.40	

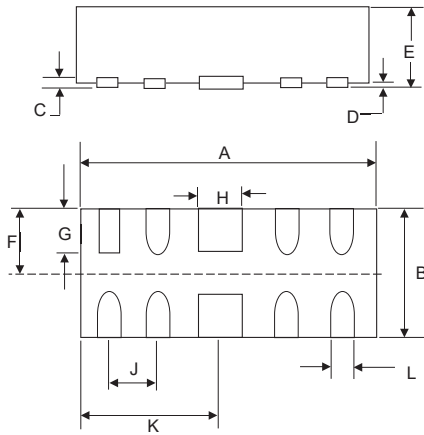


### 1206

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.059	.067	1.50	1.70	
B	.138	.147	3.52	3.72	
C	.013	.017	0.33	0.43	
D	.033	.041	0.83	1.03	
E	.020	.025	0.52	0.62	
F	.021	.026	0.55	0.65	
G	.010	.014	0.25	0.35	
H	.082	.091	2.10	2.30	
I	.126	.134	3.20	3.40	
J	.025	.030	0.65	0.75	
K	.027	.032	0.70	0.80	

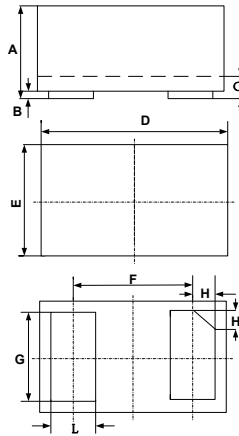
## PACKAGE OUTLINES

### DFN-10



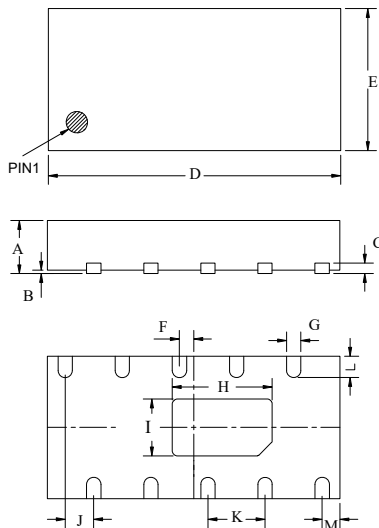
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.0094	0.102	2.40	2.60	
B	.035	.043	0.90	1.10	
C	.005		0.13		
D	.000	.002	0.00	0.05	
E	.020	.026	0.50	0.65	
F	.017	.022	0.45	0.55	
G	.012	.017	0.30	0.425	
H	.014	.018	0.35	0.45	
J	.020BSC		0.5BSC		
K	.047	.056	1.20	1.30	
L	.006	.010	0.15	0.25	

### DFN1006-2



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.018	0.022	0.45	0.55	
B	0.000	0.002	0.00	0.05	
C	0.005	0.007	0.12	0.	
D	0.037	0.041	0.95	1	
E	0.022	0.026	0.55	0.65	
F	0.026 REF.		0.650 REF.		
G	0.018	0.02	0.45	0.55	
H	0.003	0.0	0.07	0.17	
L	0.008	0.0	0.20	0.30	

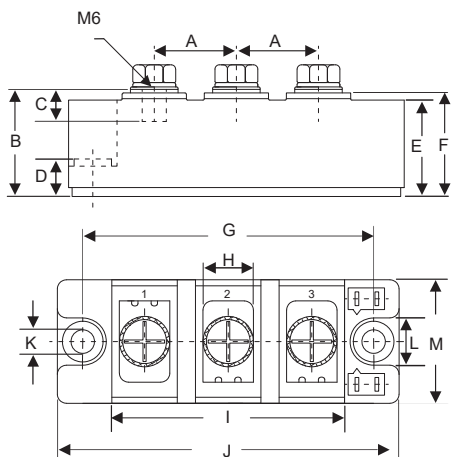
### DFN4120-10



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	0.020	0.024	0.50	0.60	
B	0.000	0.002	0.00	0.05	
C	0.006 REF.		0.150 REF.		
D	0.162	0.166	4.05	4.15	
E	0.075	0.082	1.95	2.05	
F	0.008 REF.		0.200 REF.		
G	0.006	0.010	0.15	0.25	
H	0.050	0.060	1.25	1.50	
I	0.026	0.036	0.65	0.90	
J	0.016 REF.		0.40 REF.		
K	0.032 REF.		0.80 REF.		
L	0.008	.016	0.20	0.40	
M	0.010 REF.		0.25 REF.		

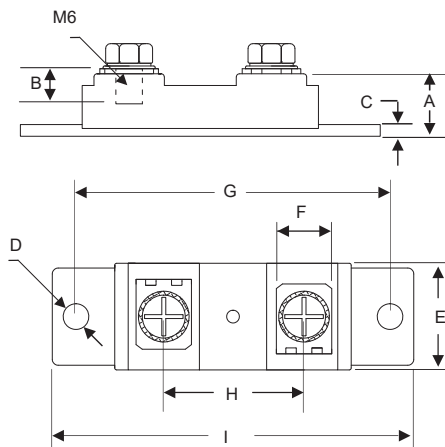
## PACKAGE OUTLINES

### F2



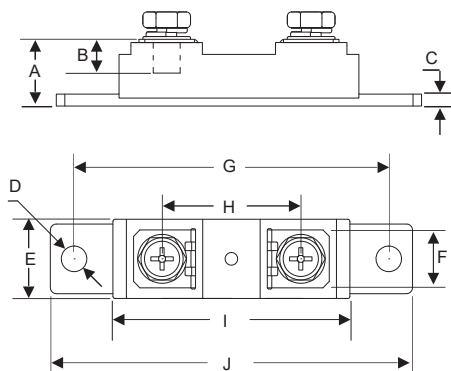
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.894	.917	22.70	23.30	
B	1.169	1.193	29.70	30.30	
C	.343	.366	8.70	9.30	
D	.323	.343	8.20	8.70	
E	1.051	1.075	26.70	27.30	
F	1.130	1.154	28.70	29.30	
G	.120	.130	79.70	80.30	
H	.500	.524	12.70	13.30	
I	2.501	2.531	63.70	64.30	
J	3.689	3.713	93.70	94.30	
K	.256		6.50		∅
L	.500	.524	12.70	13.30	
M	1.327	1.350	33.70	34.30	

### F3



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.618	.642	15.70	16.30	
B	.343	.366	8.70	9.30	
C	.118	.130	3.00	3.30	
D	.256		6.50		∅
E	1.051	1.075	26.70	27.30	
F	.539	.563	13.70	14.30	
G	3.138	3.161	79.70	80.30	
H	1.366	1.390	34.70	35.30	
I	3.610	3.634	91.70	92.30	

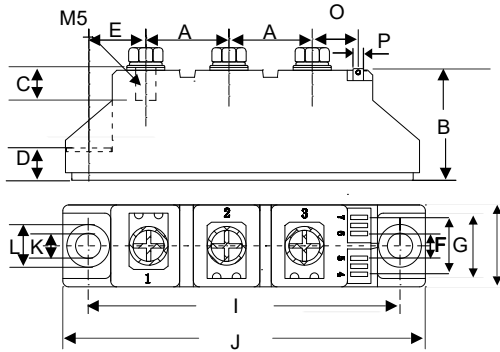
### F4



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.657	.681	16.70	17.30	
B	.343	.366	8.70	9.30	
C	.118	.130	3.00	3.30	
D	.256		6.50		∅
E	.776	.799	19.70	20.30	
F	.539	.563	13.70	14.30	
G	3.138	3.161	79.70	80.30	
H	1.366	1.390	34.70	35.30	
I	2.350	2.374	59.70	60.30	
J	3.610	3.634	91.70	92.30	

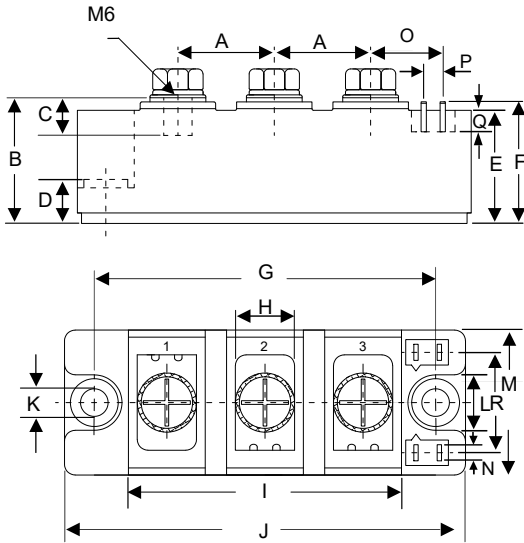
## PACKAGE OUTLINES

### T1



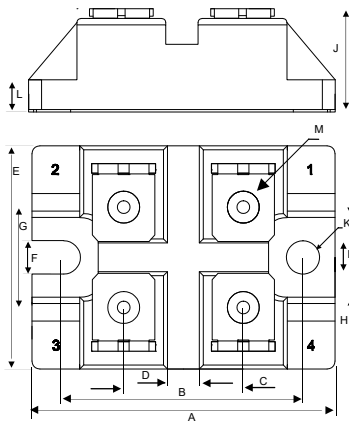
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.776	.799	19.70	20.30	
B	1.169	1.193	29.70	30.30	
C	.343	.366	8.70	9.30	
D	.323	.346	8.20	8.80	
E	.602	.622	15.30	15.80	
F	.224	.248	5.70	6.30	
G	.539	.563	13.70	14.30	
H	.657	.681	16.70	17.30	
I	3.138	3.161	79.70	80.30	
J	3.650	3.673	92.70	93.30	
K	.256		6.50		∅
L	.421	.445	10.70	11.30	
M	.815	.839	20.70	21.30	
O	.579	.602	14.70	15.30	
P	0.11X0.032		2.8X0.8		

### T2



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.894	.917	22.70	23.30	
B	1.169	1.193	29.70	30.30	
C	.343	.366	8.70	9.30	
D	.323	.343	8.20	8.70	
E	1.051	1.075	26.70	27.30	
F	1.130	1.154	28.70	29.30	
G	.120	.130	79.70	80.30	
H	.500	.524	12.70	13.30	
I	2.501	2.531	63.70	64.30	
J	3.689	3.713	93.70	94.30	
K	.256		6.50		∅
L	.500	.524	12.70	13.30	
M	1.327	1.350	33.70	34.30	
N	0.032X0.11		0.8X2.8		
O	.677	.700	17.20	17.80	
P	.185	.209	4.70	5.30	
Q	.185	.209	4.70	5.30	
R	.902	.925	22.90	23.50	

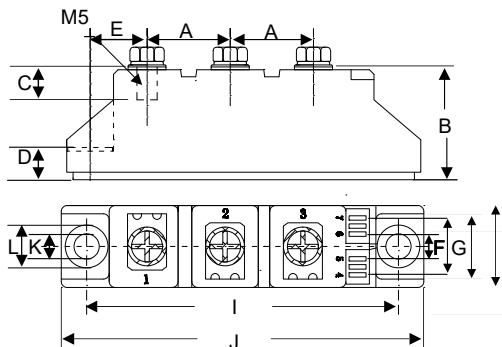
### FJ



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.484	1.508	37.70	38.30	
B	1.169	1.193	29.70	30.30	
C	.579	.602	14.70	15.30	
D	.146	.169	3.70	4.30	
E	1.091	1.114	27.70	28.30	
F	.154	.177	3.90	4.50	
G	.484	.508	12.30	12.90	
H	.382	.406	9.70	10.30	
I	.130	.154	3.30	3.90	
J	.492	.516	12.50	13.10	
K	.165		4.20		∅
L	.146	.169	3.70	4.30	
M	.157		4.00		∅

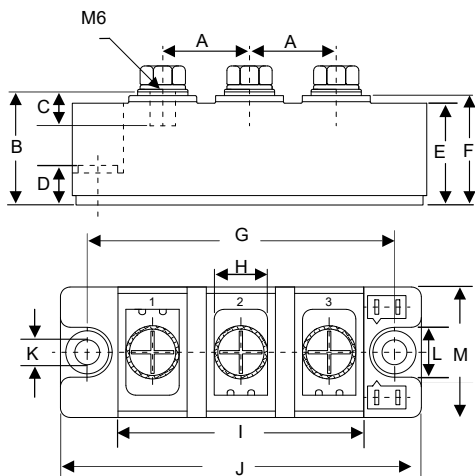
## PACKAGE OUTLINES

### D1



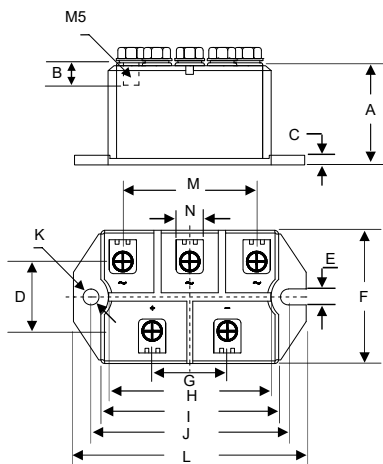
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.776	.799	19.70	20.30	
B	1.169	1.193	29.70	30.30	
C	.343	.366	8.70	9.30	
D	.323	.346	8.20	8.80	
E	.602	.622	15.30	15.80	
F	.224	.248	5.70	6.30	
G	.539	.563	13.70	14.30	
H	.657	.681	16.70	17.30	
I	3.138	3.161	79.70	80.30	
J	3.650	3.673	92.70	93.30	
K		.256		6.50	∅
L	.421	.445	10.70	11.30	
M	.815	.839	20.70	21.30	

### D2



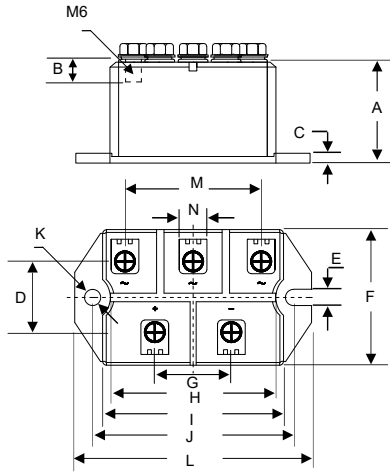
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.894	.917	22.70	23.30	
B	1.169	1.193	29.70	30.30	
C	.343	.366	8.70	9.30	
D	.323	.343	8.20	8.70	
E	1.051	1.075	26.70	27.30	
F	1.130	1.154	28.70	29.30	
G	.120	.130	79.70	80.30	
H	.500	.524	12.70	13.30	
I	2.501	2.531	63.70	64.30	
J	3.689	3.713	93.70	94.30	
K		.256		6.50	∅
L	.500	.524	12.70	13.30	
M	1.327	1.350	33.70	34.30	

### M2



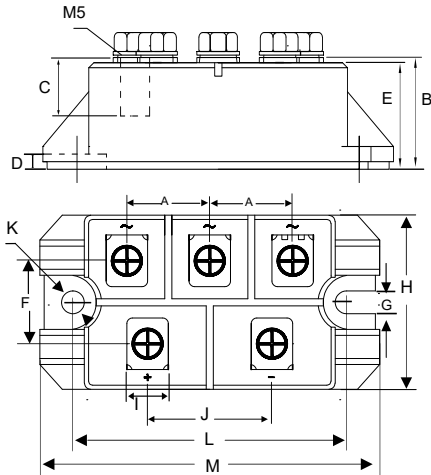
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	1.169	1.193	29.70	30.30	
B	.264	.287	6.70	7.30	
C	.118	.130	3.00	3.30	
D	.839	.862	21.30	21.90	
E	.205	.228	5.20	5.80	
F	1.641	1.655	41.70	42.30	
G	.894	.917	22.70	23.30	
H	1.878	1.902	47.70	48.30	
I	2.114	2.138	53.70	54.30	
J	2.350	2.374	59.70	60.30	
K		.217		5.50	∅
L	2.823	2.846	71.70	72.30	
M	1.563	1.587	39.70	40.30	
N	.815	.839	8.70	9.30	

## PACKAGE OUTLINES



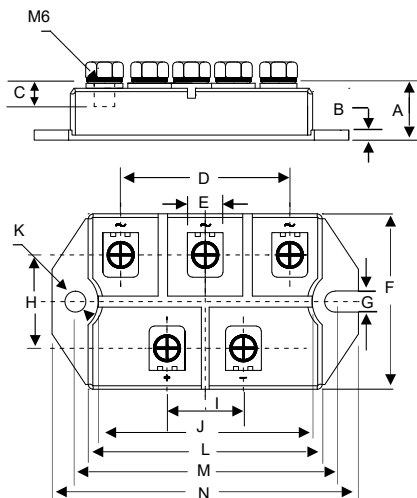
### M3

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	1.169	1.193	29.70	30.30	
B	.264	.287	6.70	7.30	
C	.118	.130	3.00	3.30	
D	1.05	1.07	26.70	27.30	
E	.244	.268	6.20	6.80	
F	2.114	2.138	53.70	54.30	
G	.972	.996	24.70	25.30	
H	2.587	2.610	65.70	66.30	
I	2.823	2.846	71.70	72.30	
J	3.138	3.161	79.70	80.30	
K	.256		6.50		∅
L	3.689	3.713	93.70	94.30	
M	2.035	2.059	51.70	52.30	
N	.460	.484	11.70	12.30	



### M4

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.776	.799	19.70	20.30	
B	.854	.878	21.70	22.30	
C	.440	.465	11.20	11.80	
D	.106	.130	2.70	3.30	
E	.815	.839	20.70	21.30	
F	.776	.799	19.70	20.30	
G	.205	.228	5.20	5.80	
H	1.64	1.67	41.70	42.30	
I	.382	.406	9.70	10.30	
J	1.169	1.193	29.70	30.30	
K	.217		5.50		∅
L	2.59	2.61	65.70	66.30	
M	3.22	3.24	81.70	82.30	

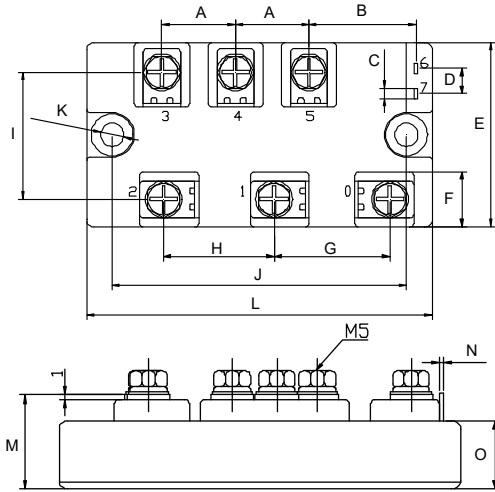


### M5

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.657	.681	16.70	17.30	
B	.106	.130	2.70	3.30	
C	.264	.287	6.70	7.30	
D	2.04	2.06	51.70	52.30	
E	.461	.484	11.70	12.30	
F	2.11	2.14	53.70	54.30	
G	.244	.268	6.20	6.80	
H	1.05	1.07	26.70	27.30	
I	.972	.996	24.70	25.30	
J	2.59	2.61	65.70	66.30	
K	.256		6.50		∅
L	2.82	2.85	71.70	72.30	
M	3.14	3.16	79.70	80.30	
N	3.69	3.71	93.70	94.30	

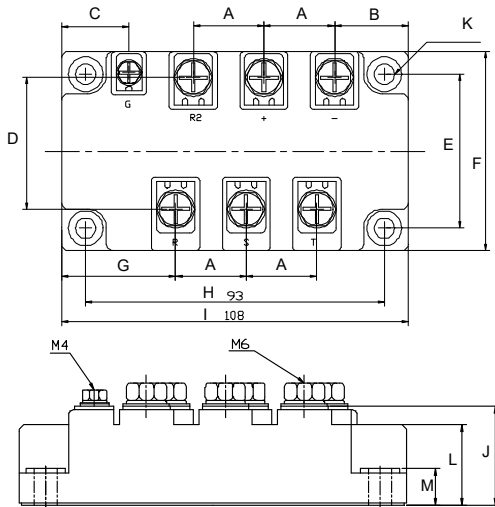
## PACKAGE OUTLINES

### L1



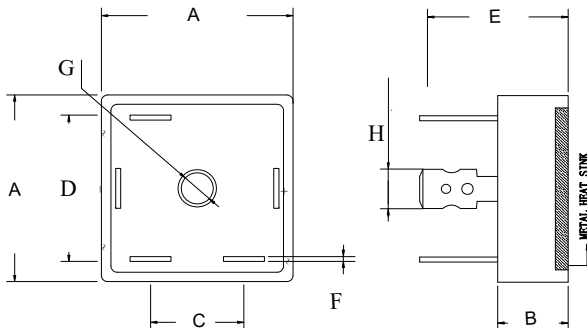
DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.776	.799	19.70	20.30	
B	1.169	1.193	28.70	29.30	
C	.098	.122	2.50	3.10	
D	.264	.287	6.70	7.30	
E	1.96	1.98	49.70	50.30	
F	.578	.602	14.70	15.30	
G	1.248	1.272	31.70	32.30	
H	1.169	1.193	29.70	30.30	
I	1.327	1.350	33.70	34.30	
J	3.138	3.161	79.70	80.30	
K	.256		6.50		∅
L	3.689	3.713	93.70	94.30	
M	.854	.878	21.70	22.30	
N	.020	.043	0.50	1.10	
O	.610	.634	15.50	16.10	

### L2



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.854	.878	21.70	22.30	
B	.894	.917	22.70	23.30	
C	.815	.839	20.70	21.30	
D	1.60	1.63	40.70	41.30	
E	1.88	1.90	47.70	48.30	
F	2.43	2.45	61.70	62.30	
G	1.39	1.41	35.20	35.80	
H	3.65	3.67	92.70	93.30	
I	4.24	4.26	107.70	108.30	
J	1.05	1.08	26.70	27.30	
K	.256		6.50		∅
L	.846	.870	21.50	22.10	
M	.323	.346	8.20	8.80	

### MT-35A



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	1.110	1.134	28.20	28.80	
B	.354	.394	9.0	10.0	
C	.610	.650	15.5	16.5	
D	.948	.988	24.10	25.10	
E	.944		25.00		
F	.029	.033	0.75	0.85	
G	.193		4.9		
H	.244	.251	6.20	6.40	