



Features

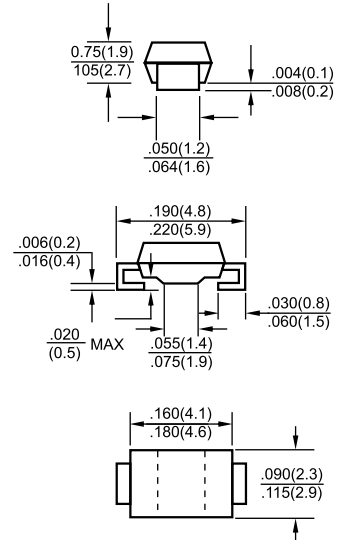
- ◇ For surface mounted application
- ◇ Glass passivated junction chip
- ◇ Low forward voltage drop
- ◇ High current capability
- ◇ Easy pick and place
- ◇ High surge current capability
- ◇ Plastic material used carries Underwriters
- ◇ Laboratory Classification 94V-0
- ◇ High temperature soldering
- ◇ 260 °C / 10 seconds at terminal

Mechanical Data

- ◇ **Case:** Molded plastic SMA/DO-214AC
- ◇ **Polarity:** Indicated by cathode band
- ◇ **Mounting Position:** Any
- ◇ **Packaging:** 12mm tape
- ◇ **Weight:** 0.07 gram

CURRENT:1.0A

SMA/DO-214AC



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60HZ, resistive or inductive load. For capacitive load, derate by 20%.

Type Numger	Symbol	M20	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	2000	V
Maxium RMS Voltage	V_{RMS}	1400	V
Maxium DC Blocking Voltage	V_{DC}	2000	V
Maximum Average Forward Rectified Current (Note 1) @ $T_L=110^{\circ}C$	$I_{F(AV)}$	1.0	A
Peak forward surge current:8.3ms single half-sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	30	A
I2t Rating for Fusing (t < 8.3ms)	I2t	4.5	A2S
Forward Voltage @ $I_F=1.0A$	V_{FM}	1.1	V
Maximum DC Reverse Current @ $T_A=25^{\circ}C$	I_R	5	Ua
at Rated DC Blocking Voltage @ $T_A=100^{\circ}C$	I_R	50	Ua
Typical Junction Capacitance (Note 1)	C_J	12	pF
Operating Temperature Range	T_J	-55 to +150	°C
Storage Temperature Range	T_{STG}	-55 to +150	°C

Note: 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

