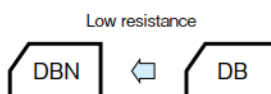


5.5V Standard Capacitors Series DB

GREEN
CAP

70°C

- Small-sized, large capacity, excellent voltage holding.
- For all ratings, uniform 5mm pitch of terminal spacing.
- Wider temperature range (−25 to +70°C) than battery.
- $\phi 21.5 \times 7.5$ mm size can encase up to 1.5F.
- Ideal for backing up of CMOS's, IC's of camera, microcomputers, RAM's, RTC's and the like used in audio, general electronic device, and others.



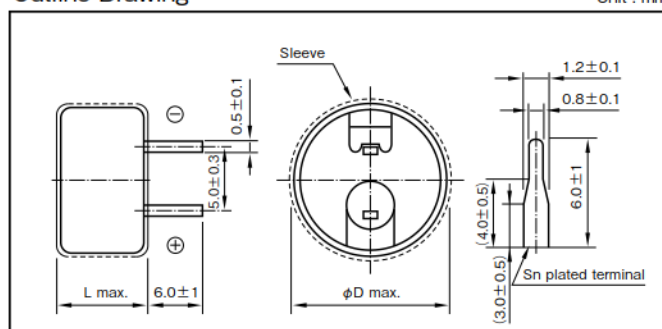
Marking color : White print on an indigo sleeve

Specifications

Item	Performance									
Category temperature range (°C)	−25 to +70									
Tolerance at rated capacitance (%)	−20 to +80									
Internal resistance at 1 kHz	Rated capacitance (F)		0.047	0.1	0.22	0.33	0.47	0.47	1	1.5
	Internal resistance (Ω Max.)		120	75	75	75	75 (φ13.5)	30 (φ21.5)	30	30
Characteristics at high and low temperature	Percentage of capacitance change		Within ±30% of the value at 20°C							
	Internal resistance		Less than five times of the value at 20°C							
Endurance (70°C)	Test time		1000 hours							
	Percentage of capacitance change		Within ±30% of the initial measured value							
	Internal resistance		Within four times of the initial specified value							
Shelf life (70°C)	Test time : 1000 hours ; Same as endurance.									
Applicable standards	Conforms to JIS C5160-1 2009 (IEC 62391-1 2006)									

Outline Drawing

Unit : mm



Standard Ratings

Max. operating voltage (V)	Rated capacitance (F)	ELNA Parts No.	φD×L (mm)
5.5	0.047	DB-5R5D473T	13.5×7.5
5.5	0.1	DB-5R5D104T	13.5×7.5
5.5	0.22	DB-5R5D224T	13.5×7.5
5.5	0.33	DB-5R5D334T	13.5×7.5
5.5	0.47	DB-5R5D474ST	13.5×7.5
5.5	0.47	DB-5R5D474T	21.5×8.0
5.5	1	DB-5R5D105T	21.5×8.0
5.5	1.5	DB-5R5D155T	21.5×8.0

Part numbering system (example : 5.5V0.22F)

DB	—	5R5	D	224	□	T
Series code		Max. operating voltage symbol	Terminal code	Rated capacitance symbol		Additional symbol

Part number is refer to above table.

5.5V Low Resistance Series DBN

GREEN
CAP

70°C

Low
ESR

- Internal resistance was reduced to 85% to DB series.
- It excels in rapid charge.

Specifications

Item	Performance								
Category temperature range (°C)	−25 to +70								
Tolerance at rated capacitance (%)	−20 to +80								
Internal resistance at 1 kHz	Rated capacitance (F)	0.047	0.1	0.22	0.33	0.47	0.47	1	1.5
	Internal resistance (Ω)	25	25	25	25	25 (φ13.5)	20 (φ21.5)	20	20
Characteristics at high and low temperature	Percentage of capacitance change	Within ±30% of the value at 20°C							
	Internal resistance	Less than five times of the value at 20°C							
Endurance (70°C)	Test time	1000 hours							
	Percentage of capacitance change	Within ±30% of the initial measured value							
	Internal resistance	Within four times of the initial specified value							
Shelf life (70°C)	Test time : 1000 hours ; Same as endurance.								
Applicable standards	Conforms to JIS C5160-1 2009 (IEC 62391-1 2006)								

Standard Ratings

Max. operating voltage (V)	Rated capacitance (F)	ELNA Parts No.	φD×L (mm)
5.5	0.047	DBN-5R5D473T	13.5×7.5
5.5	0.1	DBN-5R5D104T	13.5×7.5
5.5	0.22	DBN-5R5D224T	13.5×7.5
5.5	0.33	DBN-5R5D334T	13.5×7.5
5.5	0.47	DBN-5R5D474ST	13.5×7.5
5.5	0.47	DBN-5R5D474T	21.5×8.0
5.5	1	DBN-5R5D105T	21.5×8.0
5.5	1.5	DBN-5R5D155T	21.5×8.0

*It can charge and discharge with 1.5 times as much current (mA) as rated capacitance.

Part numbering system (example : 5.5V0.22F)

DBN	—	5R5	D	224	□	T
Series code		Max. operating voltage symbol	Terminal code	Rated capacitance symbol		Additional symbol

Part number is refer to left table.

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.