5.5V SMD, Low Resistance Capacitors

GREEN CAP | SMD | 70°C

- Size : φ12.5×8.5Lmm, compatible with surface mounting and low ESR.
- Unlike batteries, safe and high reliability without containing active and hazardous substance.
- Unlike batteries, excellent charge and discharge characteristics with no chemical reactions.
- Responds to temperature 260℃ during the reflow peek.
- Ideal for industrial, smart meter, backing up of RTC's for surveillance camera, momentary power assistance of a battery etc.

Marking color : White print on an brown sleeve

Convert to chip

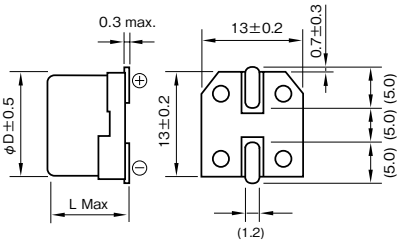
DVN ⇦ DBN

Specifications

Item	Performance
Category temperature range (℃)	− 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 — Internal resistance (Ω Max.): 30 / 30 / 30 / 30
Characteristics at high and low temperature	Percentage of capacitance change: Within ±30% of the value at 20℃ — Internal resistance: Less than five times of the value at 20℃
Endurance (70℃)	Test time: 1000 hours — Percentage of capacitance change: Within ±30% of the initial measured value — Internal resistance: Less than four times of the initial specified value
Shelf life (70℃)	Test time : 1000 hours ; Same as endurance.
Applicable standards	Conforms to JIS C5160-1 2009 (IEC 62391-1 2006)

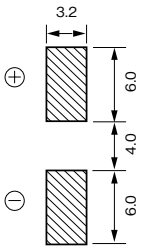
Outline Drawing

Unit : mm



Recommended land pattern size

Unit : mm



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

DVN	—	5R5	D	224	T	—	R5
Series code		Max. operating voltage symbol	Terminal code	Rated capacitance symbol			Taping symbol

Part number is refer to following table.

Standard Ratings

Max. operating voltage (V)	Rated capacitance (F)	ELNA Parts No.	φD×L (mm)
5.5	0.047	DVN-5R5D473T-R5	12.5×8.5
5.5	0.1	DVN-5R5D104T-R5	12.5×8.5
5.5	0.22	DVN-5R5D224T-R5	12.5×8.5
5.5	0.33	DVN-5R5D334T-R5	12.5×8.5

∗soldering conditions are described on page 207.
∗It can charge and discharge with 1.5 times as much current (mA) as rated capacitance.