

### 5.5V SMD, Wide Temperature range Capacitors

GREEN  
CAP

SMD

85°C

- Size :  $\phi 12.5 \times 10.5$ mm, compatible with surface mounting.
- Wide temperature range ( $-40$  to  $85^\circ\text{C}$ ), 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  $260^\circ\text{C}$  during the reflow peak.
- Ideal for industrial, smart meter, backing up of RTC's for surveillance camera, momentary power assistance of a battery, automotive etc.



Marking color : White print on an brown sleeve

Convert to chip

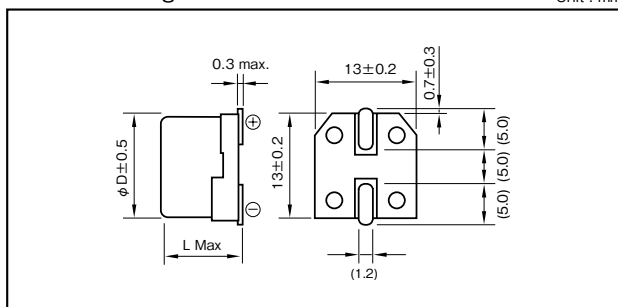


### Specifications

Item	Performance			
Category temperature range (°C)	− 40 to +85			
Tolerance at rated capacitance (%)	− 20 to +80			
Internal resistance at 1 kHz	Rated capacitance (F)	0.047	0.1	0.22
	Internal resistance (Ω Max.)	45	45	45
Characteristics at high and low temperature	Percentage of capacitance change	Within ±30% of the value at 20°C		
	Internal resistance	−40°C : Less than seven times of the value at 20°C 85°C : Less than five times of the value at 20°C		
Endurance (85°C)	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 (85°C)	Test time : 1000 hours ; Same as endurance.			
Applicable standards	Conforms to JIS C5160-1 2009 (IEC 62391-1 2006)			

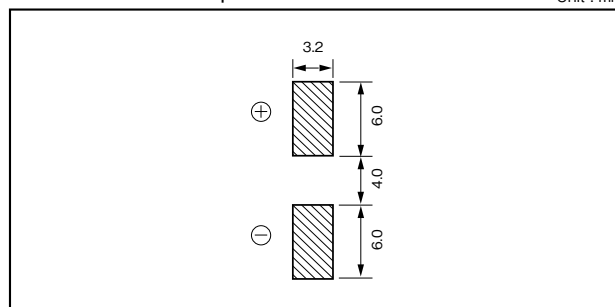
### Outline Drawing

Unit : mm



### Recommended land pattern size

Unit : mm



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

DVL	—	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.	$\phi D \times L$ (mm)
5.5	0.047	DVL-5R5D473T-R5	$12.5 \times 10.5$
5.5	0.1	DVL-5R5D104T-R5	$12.5 \times 10.5$
5.5	0.22	DVL-5R5D224T-R5	$12.5 \times 10.5$

\*soldering conditions are described on page 207.