

High Temperature Capacitors

GREEN
CAP

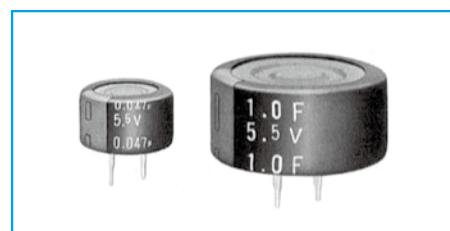
85°C

- High temperature tolerant (−25 to +85°C) and highly reliable.
- Ideal for backing up of controls, electronic rice cooking jars, home bakeries and the like.
- Ideal for backing up of RTC's for smart meter, outdoor equipment, Industrial, momentary power assistance of a battery, automotive etc.



Miniaturized

High temperature



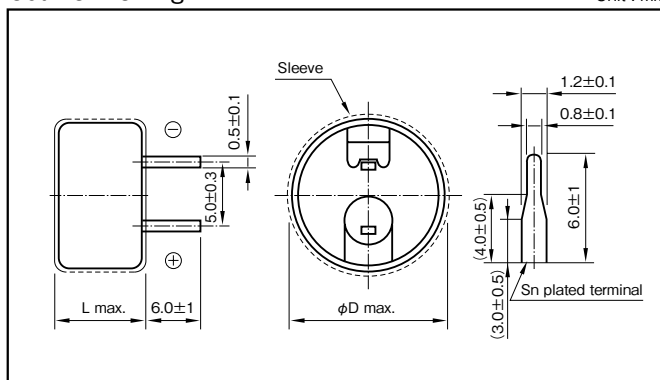
Marking color : White print on an indigo sleeve

Specifications

Item	Performance						
Category temperature range (°C)	−25 to +85						
Tolerance at rated capacitance (%)	−20 to +80						
Internal resistance at 1 kHz	Rated capacitance (F)	0.047	0.1	0.22	0.47	0.68	1
	Internal resistance (Ω Max.)	300	200	120	50	50	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 (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



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

DH	—	5R5	D	224	T
Series code		Max.operating voltage symbol		Rated capacitance 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	DH-5R5D473T	13.5×9.5
5.5	0.1	DH-5R5D104T	13.5×9.5
5.5	0.22	DH-5R5D224T	13.5×9.5
5.5	0.47	DH-5R5D474T	21.5×9.5
5.5	0.68	DH-5R5D684T	21.5×9.5
5.5	1	DH-5R5D105T	21.5×9.5

Mouser Electronics

Authorized Distributor

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Elna:

[DH-5R5D104](#) [DH-5R5D474](#) [DH-5R5D473T](#) [DH-5R5D105T](#) [DH-5R5D224T](#) [DH-5R5D684T](#)