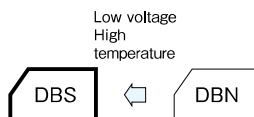


## 3.6V Low Profile and Low ESR High Temperature Capacitors

GREEN  
CAP

85°C

- Long life of 3.6V 2000 hours in small size low ESR.
- For all ratings, uniform 5mm pitch of terminal spacing.
- Wider temperature range (−25 to +85°C) than battery.
- $\phi 13.5 \times 7.5$ mm size can encase up to 0.47F.
- Ideal for backing up of CMOS's, IC's of camera, microcomputers, RAM's, RTC's and the like used in audio, smart meter, general electronic device, and others.
- It excels in rapid charge.



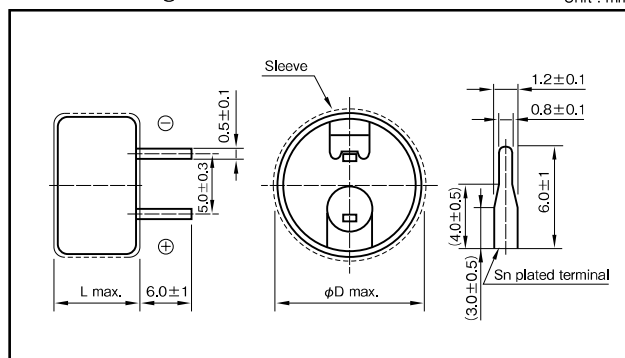
Marking color : White print on a black sleeve

### 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 0.33 0.47 0.47 1
Internal resistance (Ω Max.)	25 25 25 25 25 (φ 13.5) 20 (φ 21.5) 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 (85°C)	Test time
	2000 hours (φ 13.5 0.47F : 1000 hours)
	Percentage of capacitance change
Internal resistance	Within ±30% of the initial measured value
	Within 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 : 3.6V0.22F)

DBS	—	3R6	D	224	T
Series code		Max. operating voltage symbol	Terminal code	Rated capacitance symbol	Additional symbol

Part number is refer to following table.

### Standard Ratings

Max. operating voltage (V)	Rated capacitance (F)	ELNA Parts No.	φD×L (mm)
3.6	0.047	DBS-3R6D473T	13.5×7.5
3.6	0.1	DBS-3R6D104T	13.5×7.5
3.6	0.22	DBS-3R6D224T	13.5×7.5
3.6	0.33	DBS-3R6D334T	13.5×7.5
3.6	0.47	DBS-3R6D474ST	13.5×7.5
3.6	0.47	DBS-3R6D474T	21.5×8.0
3.6	1	DBS-3R6D105T	21.5×8.0

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

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.