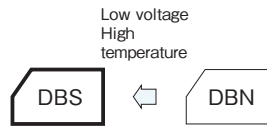


## 3.6V Low Profile and Low ESR High Temperature Capacitors

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.



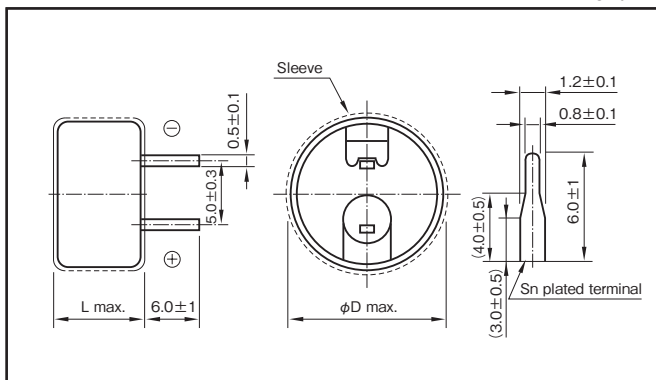
Marking color : White print on a black sleeve

### 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 ( $\Omega$ Max.)	25	25	25	25	25 ( $\phi 13.5$ )	20 ( $\phi 21.5$ )	20
Characteristics at high and low temperature	Percentage of capacitance change	Within $\pm 30\%$ 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 ( $\phi 13.5$ 0.47F : 1000 hours)						
	Percentage of capacitance change	Within $\pm 30\%$ of the initial measured value						
	Internal resistance	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.	$\phi D \times L$ (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.