

# Green-Cap (ELECTRIC DOUBLE LAYER CAPACITORS)

## DJ Radial Type, High Temperature Series

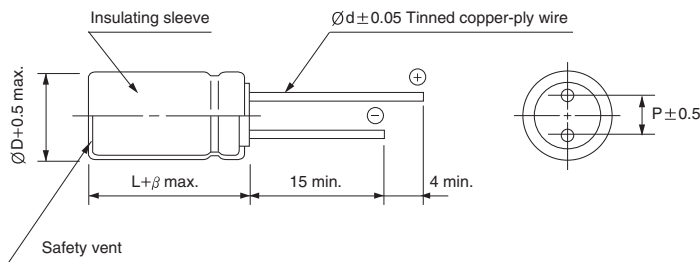
- Endurance : 2.5V 85°C 1000 hours
- The small size and high capacitance, low resistance
- Can be charge and discharge more times than secondary batteries



Item	Characteristics	
Operating temperature range	-40 ~ +85°C	
Rated Voltage	2.5 VDC	
Capacitance tolerance	0% ~ +20% at 20°C	
Temperature characteristics	Capacitance change	Within $\pm 5\%$ of initial value at +20°C
	Internal resistance change	Within 50% of initial value at +20°C
Endurance (85°C)	Test time	1000 hours
	Capacitance change	Within $\pm 30\%$ of specified value
	Internal resistance change	Less than 100% of specified value
Shelf life (85°C)	After 1000 hours no load test same as endurance	
Life Time at RT <sup>(1)</sup>	10 years	(1) $ \Delta C  < 30\%$ and $\Delta ESR < 100\%$ of specified value, respectively and $LC <$ specified value
Cycle Life (25°C) <sup>(1)(2)</sup>	500,000 cycles	(2) Cycle : between rated voltage and half rated voltage under constant current at 25°C

### ● DRAWING

Unit : mm



ØD	8	10	16	18
P	3.5	5.0	7.5	7.5
Ød	0.6	0.6	0.8	0.8
β	1.5		2.0	

### ● CHARACTERISTIC LIST & DIMENSIONS

Rated Voltage	Capacitance (F)	ESR, 1KHz (mΩ)	ESR, DC (mΩ)	LC (72hr) (mA Max.)	Specific Energy		Specific Power		Weight (g)	Volume (ml)	Dimension ØD×L(mm)
					(Wh/kg)	(Wh/L)	(W/kg)	(W/L)			
2.5	3	60	105	0.008	1.63	2.60	4.464	7.143	1.6	1.0	8×20
	5	50	90	0.013	1.97	2.71	3.788	5.208	2.2	1.6	10×20
	10	30	45	0.025	2.48	3.62	4.762	6.944	3.5	2.4	10×30
	25	20	30	0.063	2.89	4.34	3.333	5.000	7.5	5.0	16×25
	60	10	20	0.150	3.77	5.11	2.717	3.676	13.8	10.2	18×40