

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

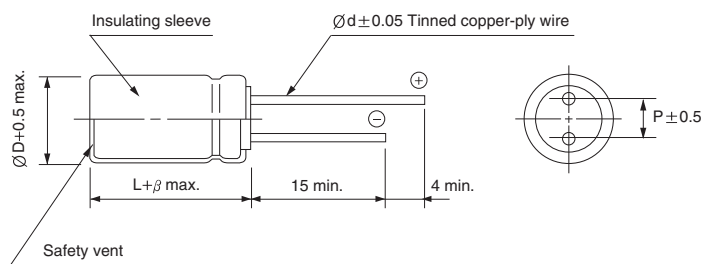
DS → **DJ**
High Temp.



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 ±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 ±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 ⁽¹⁾	10 years	(1) ΔC < 30% and ΔESR < 100% of specified value, respectively and LC < specified value
Cycle Life (25°C) ⁽¹⁾⁽²⁾	500,000 cycles	(2) Cycle : between rated voltage and half rated voltage under constant current at 25°C

● DRAWING

Unit : mm



$\varnothing D$	8	10	16	18
P	3.5	5.0	7.5	7.5
$\varnothing d$	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 $\varnothing D \times L$ (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
	15	25	40	0.050	2.89	4.20	4,167	6,048	4.5	3.1	12.5 × 25
	25	20	30	0.063	2.89	4.34	3,333	5,000	7.5	5.0	16 × 25
	50	10	20	0.150	3.15	4.26	2,717	3,676	13.8	10.2	18 × 40