

Green-Cap (ELECTRIC DOUBLE LAYER CAPACITORS)



Screw Terminal Type,
Standard Type

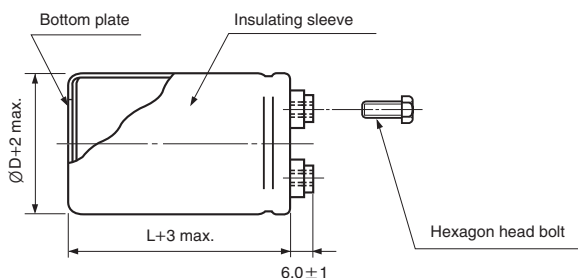
- High Power Density
- Rapid charge and discharge
- Charge and discharge efficiency are higher than in batteries



Item	Characteristics	
Operating temperature range	-25 ~ 70°C	-40 ~ 60°C
Rated Voltage	2.5 VDC	2.7 VDC
Capacitance tolerance	-20 ~ +20% or 0% ~ 20% at 20°C	
Low temperature characteristics	Capacitance change	Within $\pm 5\%$ of initial value at +20°C
	Internal resistance	Within 150% of initial value at +20°C
Endurance (2.5V:70°C, 2.7V:60°C)	Test time	1000 hours
	Capacitance change	Within $\pm 30\%$ of initial specified value
	Internal resistance	Less than 100% of initial specified value
Shelf life (70°C)	After 1000 hours no load test same as endurance	
Life Time at RT ⁽¹⁾	10 years	(1) $I \Delta CI < 30\%$ and $\Delta ESR < 200\%$ of initially 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



$\varnothing D$	P	Bolt
35	12.7	M5
51	22.0	M5
63.5	28.6	M5
76.2	31.8	M6
89	31.8	M6

● ANGLE DRAWING & SIZE TABLE(See Page 184)

● CHARACTERISTIC LIST & DIMENSIONS

Rated Voltage	Capacitance (F)	ESR, 1KHz (m Ω)	ESR, DC (m Ω)	LC (72hr) (mA Max.)	Max Continuous Current(A)	Max Peak Current(A)	Specific Energy		Weight (g)	Volume (ml)	Dimension $\varnothing D \times L$ (mm)
							(Wh/kg)	(Wh/L)			
2.5	400	5.3	12.0	1.0	20	86.2	4.34	5.31	80	65	35 × 68
	700	3.5	10.0	1.8	35	109	4.40	5.26	138	115	35 × 120
	1700	2.0	5.0	4.3	85	223.6	5.18	2.56	285	266	51 × 130
	3000	0.9	1.2	7.5	150	815.2	5.85	6.33	445	412	63.5 × 130
2.7	400	3.0	5.0	1.1	22	180	5.79	6.19	70	65	35 × 68
	700	2.5	4.5	1.9	37	343	6.01	6.14	120	115	35 × 120
	1700	1.5	1.6	4.6	90	460	6.62	6.48	260	266	51 × 130
	3000	0.8	1.0	8.1	150	1012	7.02	7.38	435	412	63.5 × 130
	5000	0.8	1.0	12.5	250	1042	6.89	6.34	630	684	76.2 × 150
	6500	0.7	0.9	17.6	343	1186	7.02	7.38	435	412	89 × 150