

# Green-Cap (ELECTRIC DOUBLE LAYER CAPACITORS)



**Upgrade**  
**DP**

Screw Terminal Type,  
High Power Density Type

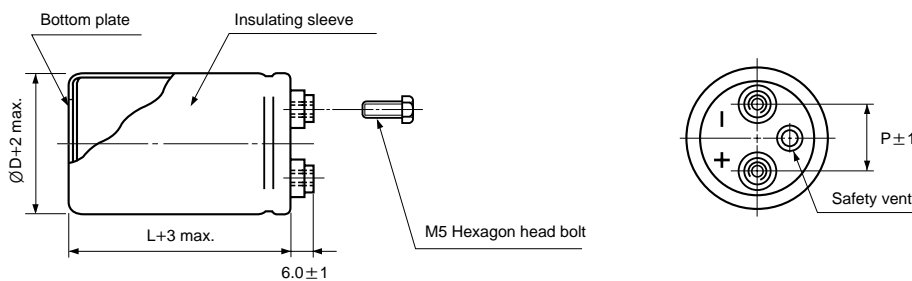


- High Power Density
- Rapid charge and discharge
- Charge and discharge efficiency are higher than in batteries

Item	Characteristics	
Operating temperature range	-25 ~ +60°C	-40 ~ +60°C
Rated Working Voltage	2.5VDC	2.7VDC
Capacitance tolerance	-20 ~ +20% at 20°C	
Low temperature characteristics	Capacitance change	Within $\pm 30\%$ of initial value at +20°C (-25 to +60°C, -40 to +60°C)
	Internal resistance	Less than 400% of initial at +20°C
Endurance(60°C)	Test time	1000 hours
	Capacitance change	Within $\pm 30\%$ of initial value
	Internal resistance	Less than 300% of initial at specified value
Shelf life (at 60°C)	After 1000 hours no load test same as endurance	
Life Time at RT <sup>(1)</sup>	10 years	(1) $\Delta CI < 30\%$ and $\Delta ESR < 100\%$ of initially 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



## ● CHARACTERISTIC LIST & DIMENSIONS

Rated Voltage	Capacitance (F)	ESR, 1KHz (mΩ)	LC (30min) (mA)	Specific Energy		Weight (g)	Volume (ml)	Dimension $\varnothing D \times L$ (mm)
				(Wh/kg)	(Wh/L)			
2.5	400	5.3	200	3.86	4.51	90	77	35 × 80
	700	3.5	350	4.40	5.26	138	115	35 × 120
	1700	2.0	850	5.18	5.56	285	266	51 × 130
	3000	0.9	1500	5.85	6.33	445	412	63.5 × 130
2.7	400	3.0	200	5.40	5.26	75	77	35 × 80
	700	2.5	350	6.01	4.14	120	115	35 × 120
	1700	1.5	850	6.62	6.48	260	266	51 × 130
	3000	0.8	1500	7.02	7.38	435	412	63.5 × 130