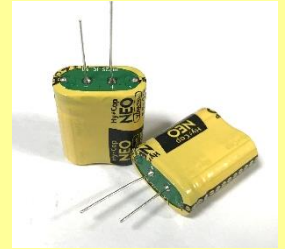
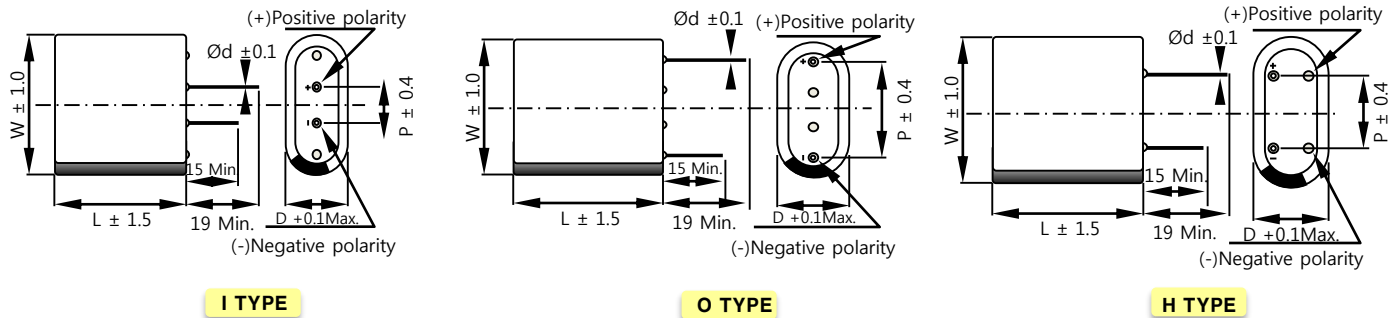


FEATURES

- High Power Density
- Over 500,000 cycle life (semi-permanent)
- 2 units serially connected to provide 6.0V products
- RoHS compliant
- Long-term reliability improved at high temperature and humidity



Drawing



D = 8.5mm, d=0.6mm

TYPE	I	O	H
P	4.5	12.9	8.5

(Unit : mm)

SPECIFICATION

ITEM		CHARACTERISTICS	
Product series		EDLC 2 SERIAL MODULE	
Rated Voltage (V_R)		6.0V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V_R loaded under +65°C, capacitors meet the following criteria.	
		Δ Capacitance	$\leq 30\%$ of initial value
		Δ ESR	$\leq 200\%$ of specified value
		85°C Temperature	Max. 4.8V
Cycle Life Characteristics	Cycle	Over 500,000	
	ΔC	$\leq 30\%$ of initial value	
	ESR	≤ 2 times of specified value	
	Method	Cycle of Charge/discharge from V_R to $1/2V_R$	
Shelf Life		3 Years	
		No Electrical Charge, Temperature below 25°C (ΔC : $\leq 10\%$ of initial value / ΔESR : $\leq 50\%$ of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (Ω)		Leakage Current (mA, 72hr)		Size (mm) D x W x L
			AC(1kHz)	DC	@5.4V	@6.0V	
WEC6R0504QG	6.0	0.5	0.505	0.750	0.002	0.003	8.5x17x15.5

* Max. Current : 1 sec. discharge to $1/2V_R$

* When do module more than 2 series, please fully discharge over 1 hour first, then assemble right after within 1 hour.