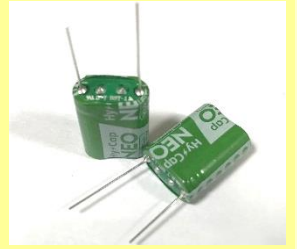
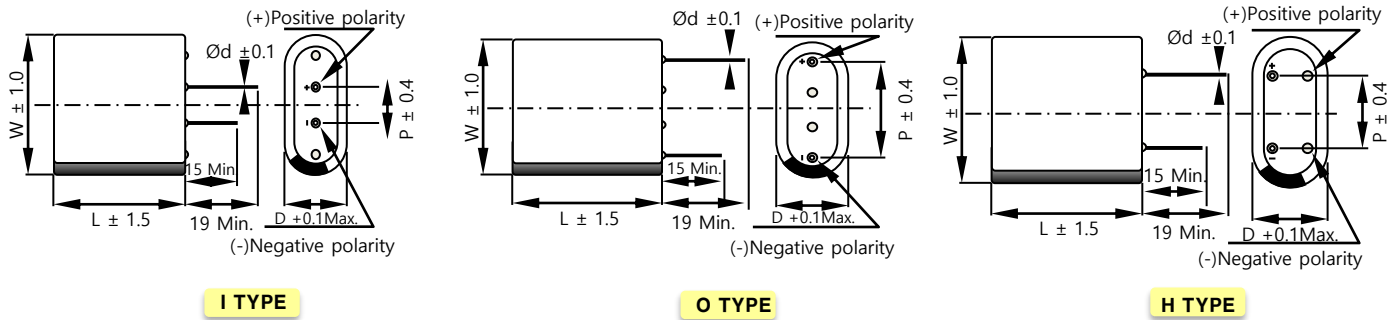


FEATURES

- High Power Density
- Over 500,000 cycle life (semi-permanent)
- 2 units serially connected to provide 5.4V 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)	5.4V	
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.	
	Capacitance Change	≤ 30% of initial value
	ESR	≤ 2 times of specified value
Cycle Life Characteristics	Cycle	Over 500,000
	ΔC	≤ 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 : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x W x L
WEC5R4504QG	5.4	0.5	315	465	1.0	0.002	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.