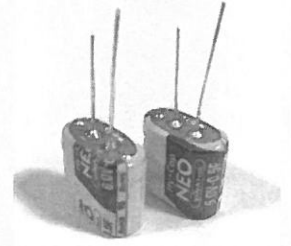


# 6.0V 0.5F (0813) 2 SERIAL MODULE

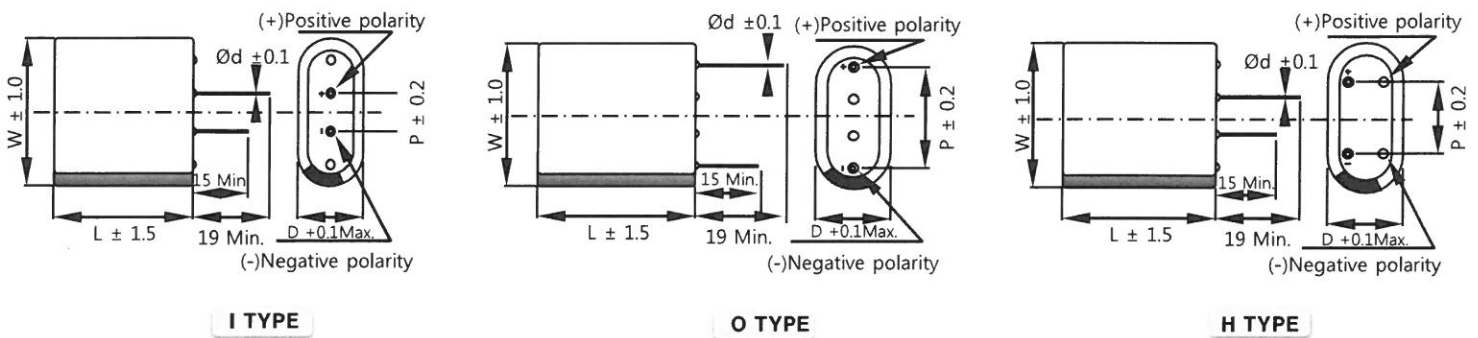


## FEATURES

- High Power Density (Low ESR)
- 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(65°C 90%RH)



## Drawing



D = 8.5mm

TYPE	I	O	H
P	4.7	12.3	8.5

(Unit : mm)

## SPECIFICATION

ITEM	CHARACTERISTICS	
Product series	EDLC 2SERIAL 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.	
	Capacitance Change	≤ 30% of initial value
	ESR	≤ 2 times of specified value
Cycle Life Characteristics	Cycle	Over 500,000
	$\Delta C$	≤ 30% of initial value
	ESR	≤ 2 times of specified value
	Method	Cycle of Charge/discharge from $V_R$ to $1/2V_R$
Shelf Life	2 Years	
	No Electrical Charge, Temperature below 70°C ( $\Delta C$ : ≤ 10% of initial value / $\Delta ESR$ : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (μA, 72hr)	Size (mm) D x L x L
			AC(1kHz)	DC			
WEC6R0504QG	6.0	0.5	355	535	1.0	0.003	8.5x17x15.5

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