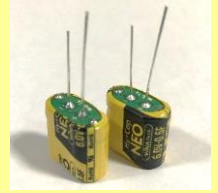
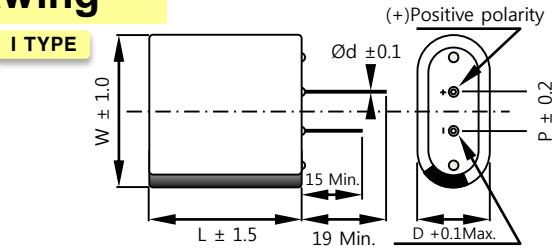


## FEATURES

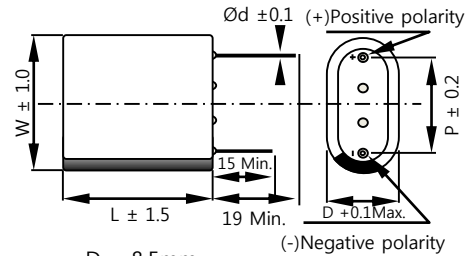
- High Power Density
- Over 500,000 cycle life (semi-permanent)
- 2 units serially connected to provide 6.0V products
- RoHS compliant
- Long-term reliability improved at high temperature and humidity



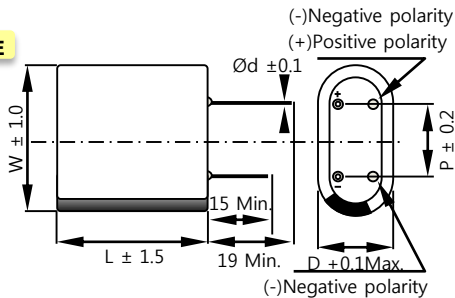
## Drawing



**O TYPE**



**H TYPE**



D = 8.5mm (Unit : mm)

TYPE	I	O	H
P	4.7	12.3	8.5

D = 10.5mm

TYPE	I	O	H
P	5.5	15.5	10.5

D = 13mm

TYPE	I	O	H
P	7.5	18.5	13

## 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.
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 (mA, 72hr)	Size (mm) D x W x L
			AC(1kHz)	DC			
WEC6R0504QG	6.0	0.5	355	535	1.0	0.003	8.5x17x15.5
WEC6R0155QG	6.0	1.5	175	295	3.0	0.010	8.5x17x22
WEC6R0255QG	6.0	2.5	165	245	4.5	0.015	10.5x21x22.5
WEC6R0355QG	6.0	3.5	165	275	5.0	0.021	10.5x21x22.5
WEC6R0505QA	6.0	5.0	95	155	8.5	0.030	10.5x21x27
WEC6R0505QG	6.0	5.0	75	115	9.5	0.030	10.5x21x32
WEC6R0755QG	6.0	7.5	79	115	12.0	0.045	13x26x28

\* 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.