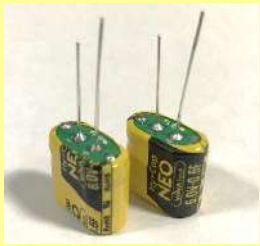
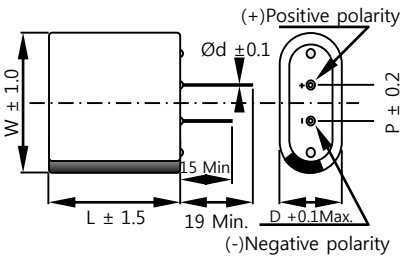
6.0V 1.5F (0820) 2 SERIAL MODULE

FEATURES

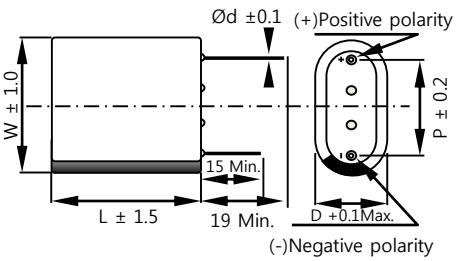
- High Power Density
- Over 500,000 cycle life (semi-permanent)
- 2 units serially connected to provide 6.0V products
- RoHS compliant
- Long-term reliability improved at high temperature and humidity



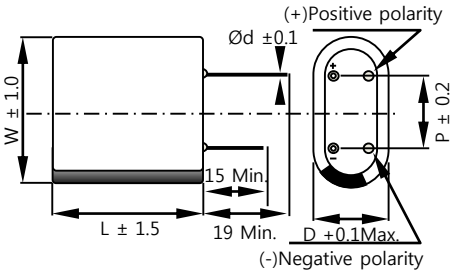
Drawing



I TYPE



O TYPE



H TYPE

D = 8.5mm

TYPE	I	O	H
P	4.7	12.3	8.5

(Unit : mm)

SPECIFICATION

ITEM		CHARACTERISTICS	
Product series		EDLC 2 SERIAL MODULE	
Rated Voltage (V_R)		6.0V	
Operating Temperature		-40 ~ +65℃	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V_R loaded under +65℃, 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		2 Years No Electrical Charge, Temperature below 70℃ (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (㎂, 72hr)	Size (mm)
			AC(1㎑)	DC			D x W x L
WEC6R0155QG	6.0	1.5	175	295	3.0	0.010	8.5x17x22.5

*** 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.**

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