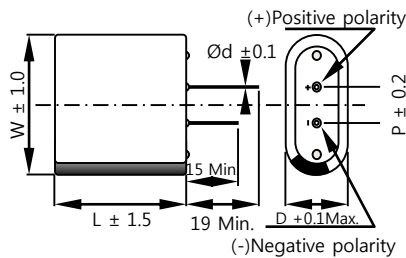


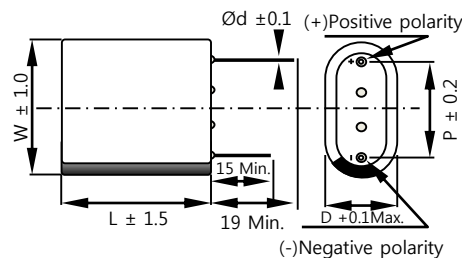
FEATURES

- 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)

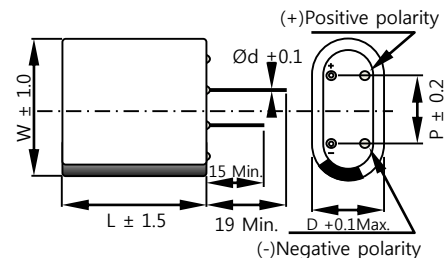
Drawing



I TYPE



O TYPE



H TYPE

D = 8.5mm

TYPE	I	O	H
P	4.7	12.3	8.5

(Unit : mm)

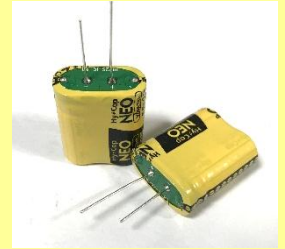
SPECIFICATION

ITEM		CHARACTERISTICS						
Product series		EDLC 2SERIAL 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 (μA, 72hr)	Size (mm)
				AC(1kHz)	DC			D x L x L
WEC6R0155QG		6.0	1.5	175	295	3.0	0.010	8.5x17x15.5

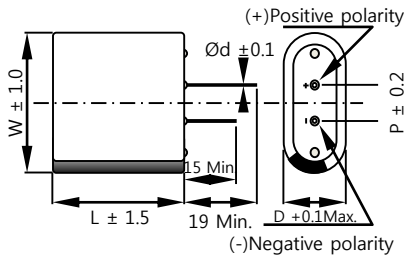
* Max. Current : 1 sec. discharge to $1/2V_R$

FEATURES

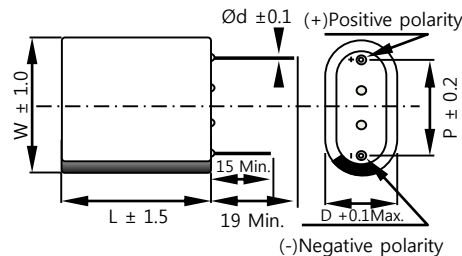
- High Power Density (Low ESR)
- Over 500,000 cycle life (semi-permanent)
- 2 units serially connected to provide 6.0V products
- RoHS compliant
- Long-term reliability improved at high temperature and humidity(65°C 90%RH)



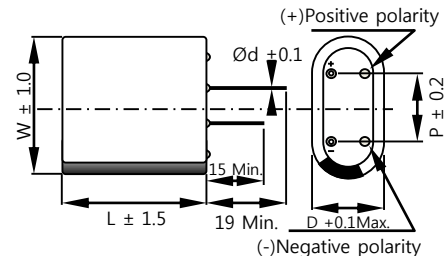
Drawing



I TYPE



O TYPE



H TYPE

D = 10.5mm

TYPE	I	O	H
P	5.5	15.5	10.5

(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	
	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°C (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

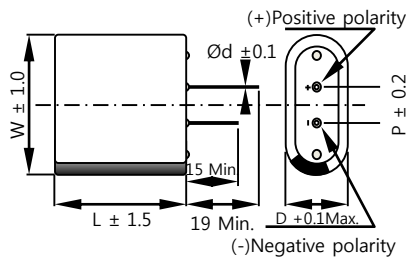
Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (μA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L x L
WEC6R0255QG	6.0	2.5	165	245	4.5	0.015	10.5x21x22.5

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

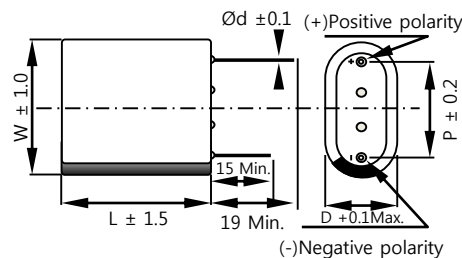
FEATURES

- 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)

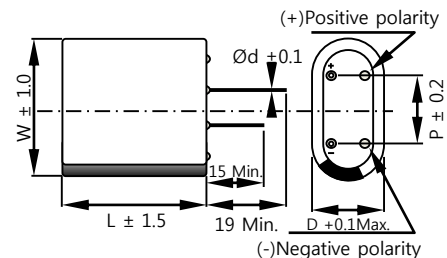
Drawing



I TYPE



O TYPE



H TYPE

D = 10mm

TYPE	I	O	H
P	5.5	15.5	10.5

(Unit : mm)

SPECIFICATION

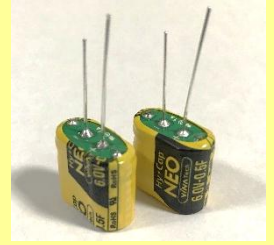
ITEM		CHARACTERISTICS	
Product series		EDLC 2 SERIAL MODULE	
Rated Voltage (V_R)		6.0V	
Operating Temperature		-40 ~ +65°C	
Capacitance Tolerance		-10 ~ +30%	
High Temperature Load Life		After 1,000 hours at V_R loaded under +65°C, capacitors meet the following criteria.	
		Capacitance Change	≤ 30% of initial value
		ESR	≤ 2 times of specified value
		85°C Temperature	Max. 4.8V
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°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 L x L
WEC6R0355QG	6.0	3.5	165	275	5.0	0.021	10.5x21x22.5

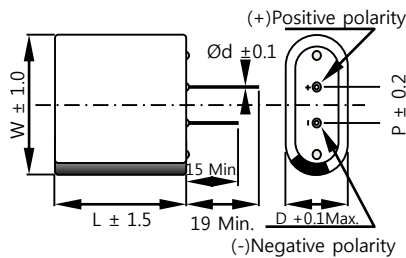
* Max. Current : 1 sec. discharge to $1/2V_R$

FEATURES

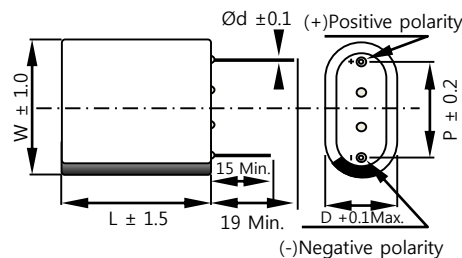
- High Power Density (Low ESR)
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- 2 units serially connected to provide 6.0V products
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- Long-term reliability improved at high temperature and humidity(65°C 90%RH)



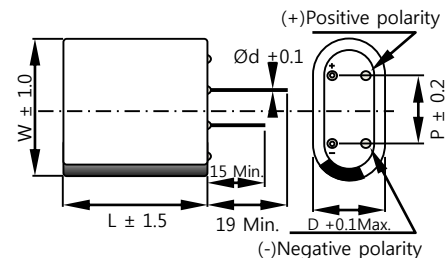
Drawing



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 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	
	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°C (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value)	

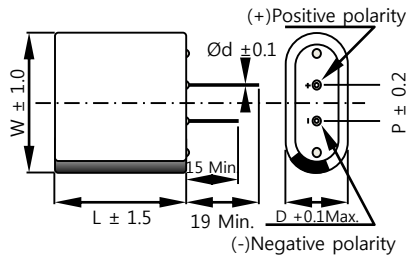
Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L x L
WEC6R0504QG	6.0	0.5	355	535	1.0	0.003	8.5x17x15.5

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

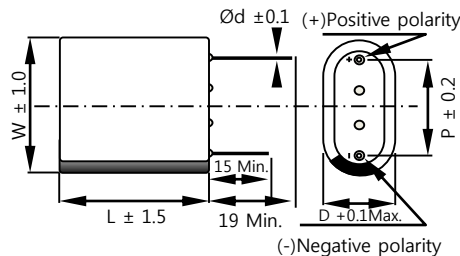
FEATURES

- 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)

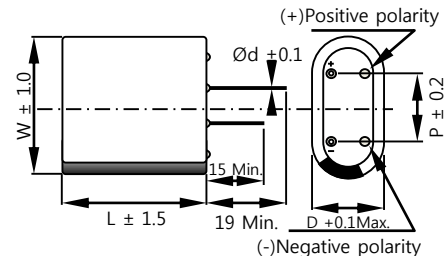
Drawing



I TYPE



O TYPE



H TYPE

D = 10.5mm

TYPE	I	O	H
P	5.5	15.5	10.5

(Unit : mm)

SPECIFICATION

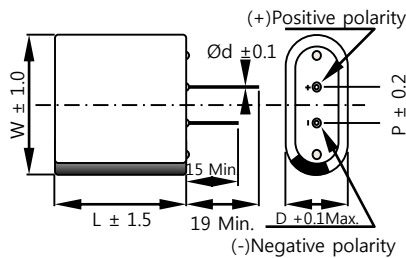
ITEM		CHARACTERISTICS						
Product series		EDLC 2SERIAL MODULE						
Rated Voltage (V _R)		6.0V						
Operating Temperature		-40 ~ +65℃						
Capacitance Tolerance		-10 ~ +30%						
High Temperature Load Life		After 1,000 hours at V _R loaded under +65℃, capacitors meet the following criteria.						
		Capacitance Change		≤ 30% of initial value				
		ESR		≤ 2 times of specified value				
		85℃ Temperature		Max. 4.8V				
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 (mA, 72hr)	Size (mm)
				AC(1kHz)	DC			D x L x L
WEC6R0505QA		6.0	5.0	95	155	8.5	0.030	10.5x21x27

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

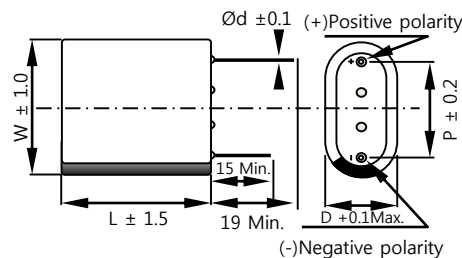
FEATURES

- High Power Density (Low ESR)
- Over 500,000 cycle life (semi-permanent)
- 2 units serially connected to provide 6.0V products
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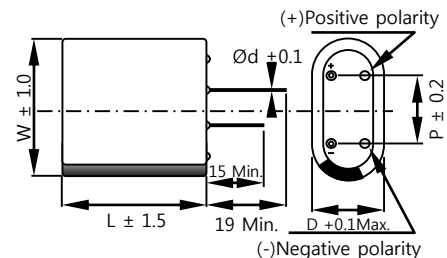
Drawing



I TYPE



O TYPE



H TYPE

D = 10.5mm

TYPE	I	O	H
P	5.5	15.5	10.5

(Unit : mm)

SPECIFICATION

ITEM		CHARACTERISTICS					
Product series		EDLC 2SERIAL 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 (μA, 72hr)	Size (mm)
			AC(1kHz)	DC			D x L x L
WEC6R0505QG	6.0	5.0	75	115	9.5	0.030	10.5x21x32

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