

FEATURES

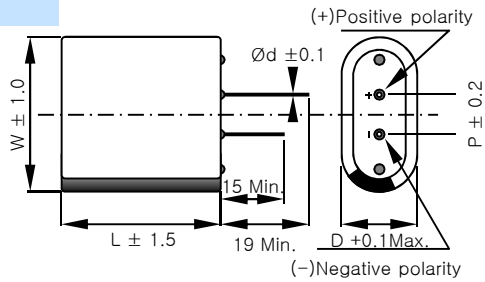
2 units serially connected to provide 5.0V products

Lead terminal type

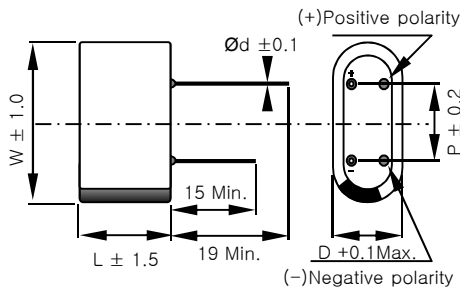
2-Pin terminal type according to customer's requirement

Drawing

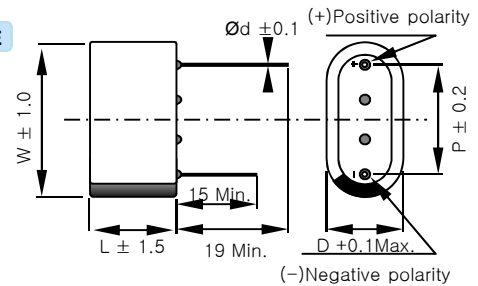
I TYPE



H TYPE



O TYPE



D = 8.5mm

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
Rated Voltage (V_R)		5.0 V
Operating Temperature		-25 ~ +70°C
Capacitance Tolerance		-10 ~ +30%
High Temp. Load Life	Measure	After 1,000 hours at V_R loaded under +70°C, capacitors meet the following criteria.
	Cap. Change	
	ESR Change	100% increase from specified value
85°C Higher Temperature		Max. 4.2V
Cycle Life Characteristics	Cycle	500,000
	Cap. Change	≤ 30% of initial value
	ESR Change	100% increase from specified value
	Condition	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 initial value)

Part Number	Rated Voltage (V)	Capacitance (F)	ESR (mΩ)		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm) D × W × L	Weight (g)	Volume (ml)
			AC(1kHz)	DC					
VEC5R0504QG	5.0	0.5	805	1205	0.5	0.002	8.5×17×15.5	3.0	2.2
VEC5R0155QG		1.5	445	755	1.5	0.007	8.5×17×22	3.8	3.2
VEC5R0255QA		2.5	245	425	3.0	0.013	8.5×17×27	4.6	3.9
VEC5R0255QG		2.5	305	395	3.0	0.010	10.5×21×22.5	5.0	5.0
VEC5R0355QG		3.5	355	555	3.0	0.014	10.5×21×22.5	5.4	5.0
VEC5R0505QA		5.0	245	415	4.0	0.020	10.5×21×27	6.6	7.1
VEC5R0505QG		5.0	175	205	6.0	0.020	10.5×21×32	7.0	7.1
VEC5R0755QG		7.5	145	205	7.5	0.030	13×26×28	9.6	9.5

* 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.