

FEATURES

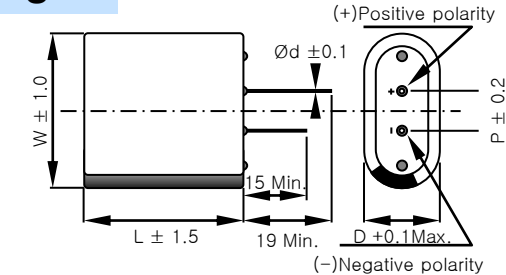
2 units serially connected to provide 5.0V products

Lead terminal type

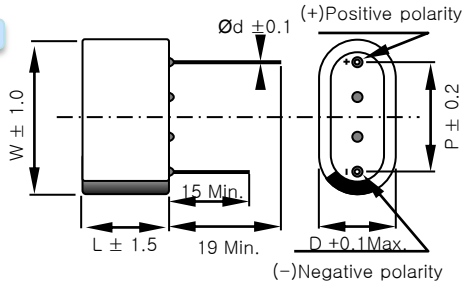
2-Pin terminal type according to customer's requirement

Drawing

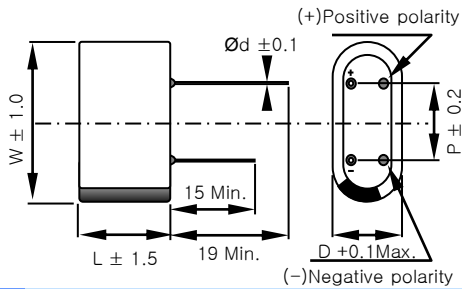
I TYPE



O TYPE



H 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

SPECIFICATION

ITEM		CHARACTERISTICS
Rated Voltage (V _R)		5.0 V
Operating Temperature		-25 ~ +70℃
Capacitance Tolerance		-10 ~ +30%
High Temp. Load Life	Measure	After 1,000 hours at V _R loaded under +70℃, capacitors meet the following criteria.
	Cap. Change	≤ 30% of initial value
	ESR Change	100% increase from specified value
85℃ 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 uncharged up to 70℃ (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)	Weight (g)	Volume (mℓ)
			AC(1kHz)	DC			D × W × L		
VEC5R0504QG	5.0	0.5	510	880	0.9	0.004	8.5×17×15.5	3.0	2.2
VEC5R0155QG		1.5	300	735	1.8	0.008	8.5×17×22	3.8	3.2
VEC5R0255QA		2.5	240	630	2.4	0.012	8.5×17×27	4.6	3.9
VEC5R0255QG		2.5	240	560	2.6	0.012	10.5×21×22.5	5.0	5.0
VEC5R0355QG		3.5	180	420	3.5	0.020	10.5×21×22.5	5.4	5.0
VEC5R0505QA		5.0	150	350	4.6	0.027	10.5×21×27	6.6	7.1
VEC5R0505QG		5.0	150	315	5.0	0.027	10.5×21×32	7.0	7.1
VEC5R0755QG		7.5	120	270	6.2	0.035	13×26×28	9.6	9.5

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