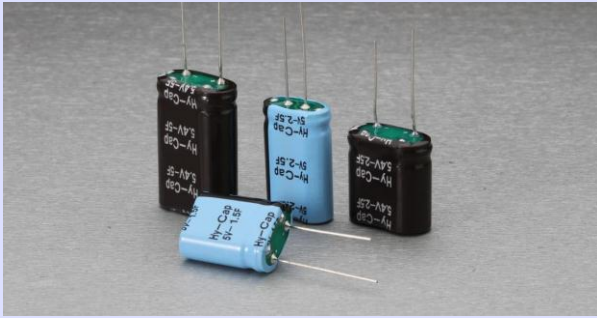


# Modules for higher voltage



## FEATURES

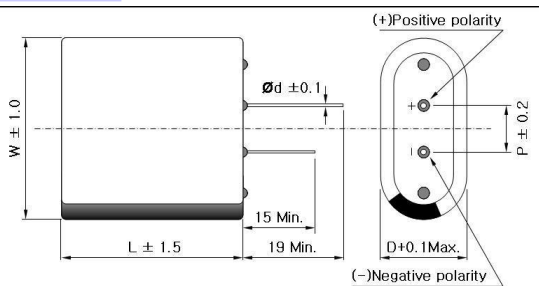
2 to 3 units serially connected to provide 5V ~ 7.5V products.

## Lead terminal type

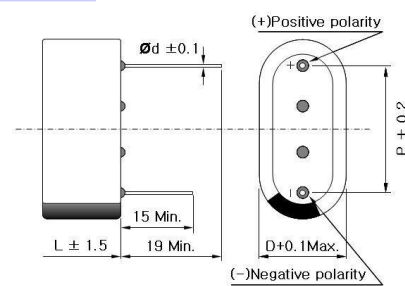
Other custom-made modules to be discussed according to customer requirements.

## 2 Serial Module : Drawing

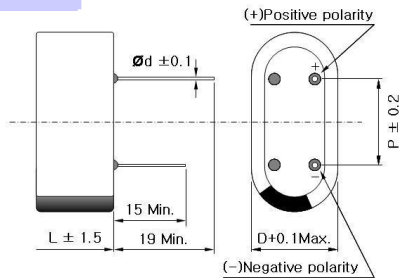
### I type



### O type



### H type



D = 8.5mm

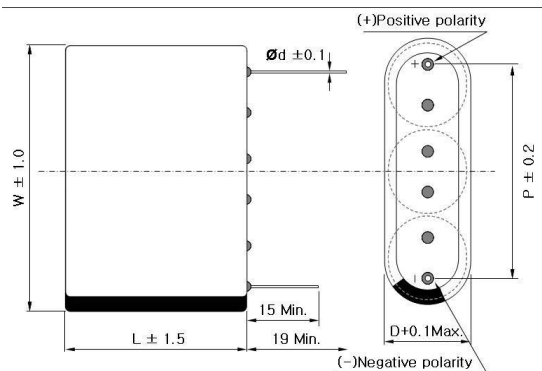
TYPE	I	O	H
P	4.7	12.3	8.5

D = 10.5mm

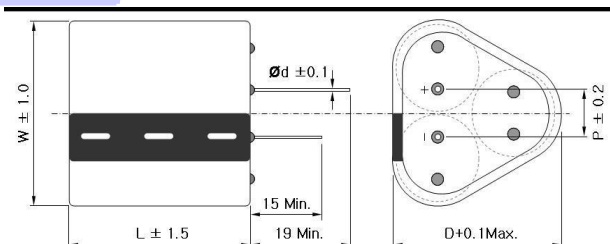
TYPE	I	O	H
P	5.5	15.5	10.5

## 3 Serial Module : Drawing

### L type



### T type



D = 8.5mm

TYPE	L	T
P	4.7	12.3

D = 10.5mm

TYPE	L	T
P	5.5	15.5

## SPECIFICATION (2 Serial Module)

ITEM		CHARACTERISTICS	
Rated Voltage ( $V_r$ )		5.0 V	5.4 V
Operating Temperature		-25 ~ +70 °C	-40 ~ +65 °C
Capacitance Tolerance		-10 ~ +30%	
High Temp. Load Life	Measure	After 1,000 hours at $V_r$ loaded under +70, +65 °C respectively, capacitors meet the following criteria.	
	$\Delta C$	$\leq 30\%$ of initial value	
	ESR	$\leq 2$ times of specified value	
Temperature Characteristics	Measure	at -25, +25, +70 °C	at -40, +25, +65 °C
	$\Delta C$	$\leq 30\%$ of initial value	$\leq 5\%$ of initial value
	ESR	$\leq 4$ times of specified value	$\leq 2$ times of specified value
Cycle Life Characteristics	Cycle	500,000	
	$\Delta C$	$\leq 30\%$ of initial value	
	ESR	$\leq 2$ times of specified value	
	Condition	Cycle of Charge/discharge from $V_r$ to $1/2V_r$	
Shelf Life		After 1,000 hour storage under +70, +65 °C respectively without load, capacitors meet the criteria of high temp. load life above.	

Part Number	Rated Voltage (V)	Capacitance (F)	ESR ( $m\Omega$ )		Max. Current (A)	Leakage Current (mA, 72hr)	Size (mm) D × L × H	Weight (g)	Volume (ml)	Energy Density (Wh/L)
			AC(1kHz)	DC						
VEC 5R0 754 QG	5	0.75	250	375	1.4	0.003	8.5×22×17	3.5	3.2	0.8
VEC 5R0 155 QG		1.5	300	450	2.3	0.008	8.5×22×17	3.8	3.5	1.5
VEC 5R0 205 QG		2	150	225	3.4	0.009	10.5×27×21	5.9	6.0	1.2
VEC 5R0 255 QA		2.5	240	360	3.2	0.012	8.5×27×17	4.6	3.9	2.2
VEC 5R0 255 QG		2.5	240	360	3.4	0.012	10.5×22.5×21	5.0	5.3	1.6
VEC 5R0 355 QG		3.5	180	270	4.7	0.020	10.5×22.5×21	5.4	5.9	2.1
VEC 5R0 505 QG		5	150	225	6.4	0.027	10.5×32×21	7.0	7.6	2.3
VEC 5R0 755 QG		7.5	120	180	7.9	0.035	13×28×26	9.6	9.5	2.7
VEC 5R4 754 QG		5.4	0.75	110	145	1.8	0.003	8.5×22×17	3.2	3.2
VEC 5R4 155 QG	1.5		110	145	3.3	0.008	8.5×22×17	3.3	3.5	1.7
VEC 5R4 205 QG	2		60	80	4.6	0.009	10.5×27×21	5.5	6.0	1.4
VEC 5R4 255 QA	2.5		90	120	5.5	0.012	8.5×27×17	4.5	3.9	2.6
VEC 5R4 255 QG	2.5		90	120	5.5	0.012	10.5×22.5×21	4.7	5.3	1.9
VEC 5R4 355 QG	3.5		70	90	7.3	0.020	10.5×22.5×21	4.8	5.3	2.7
VEC 5R4 505 QG	5		50	65	10.7	0.030	10.5×32×21	6.6	7.6	2.7
VEC 5R4 755 QG	7.5		50	65	13.5	0.053	13×28×26	9.6	9.5	3.2

※ Note : Modules higher than 5.4V to be supplied on custom-product basis.