

2-Serial Module 6.0V 5F

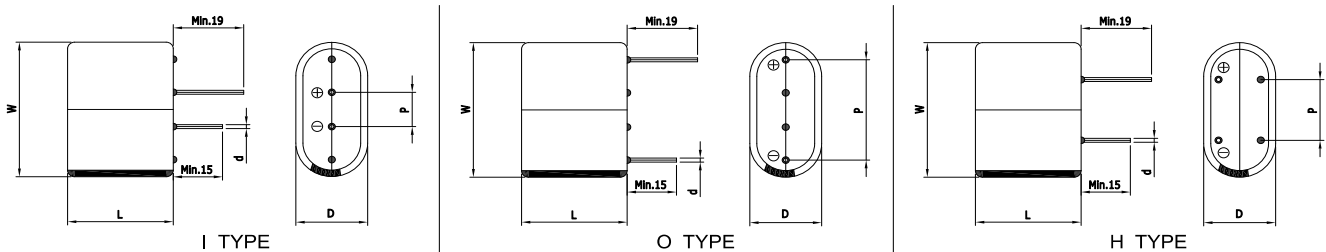


FEATURES

Electric double layer capacitor
2 cells serially connected supercapacitor
Semi-permanent, quick charge and discharge than batteries
Suitable for smart meter or car driving recorder application
UL and ISO/TS certificated, RoHS compliant
Radial design with lead terminal type customized in 3 ways



DIMENSIONS



Dimensions in mm					
D +0.1 Max	W ± 1.0	L ± 1.5	d ± 0.1	P ± 0.2	
Φ10.5	21.0	32.0	Φ0.6	I: 5.5	O: 15.5 H: 10.5

This drawing is not to be scaled.

SPECIFICATIONS

Part Number	Rated Voltage, V_R (V)	Rated Capacitance (F)	AC ESR 1kHz (mΩ)	DC IR (mΩ)	Maximum Current (A)	Leakage Current (mA)	Stored Energy (J)	Dimension D x W x L (mm)	Weight (g)
VEC 6R0 505 QG-X	6.0	5.	55.00	85.00	10.	0.030	90.0	10.5 x 21.0 x 32.0	6.6

* X is variant type code such as I, O or H.

* Maximum Current: 1 second discharge to $\frac{1}{2} \cdot V_R$

* Leakage Current: After 72hours at V_R and 25 °C

Item	Characteristics	Remarks
Rated Voltage(V_R)	6.0V	
Capacitance Tolerance	-10 ~ +30%	
Operating Temperature ($T_{min} \sim T_{max}$)	-40 ~ +65 °C	$ \Delta cap \leq 30\%$ of initial value at 25 °C $ \Delta ESR \leq 100\%$ of specified value at 25 °C After 1,000 hours application of V_R at T_{max}
Storage Temperature	-40 ~ 70 °C	
Cycle Life	500,000 cycles	$ \Delta cap \leq 30\%$ of initial value at 25 °C $ \Delta ESR \leq 100\%$ of specified value at 25 °C Cycles from V_R to $\frac{1}{2} \cdot V_R$ under constant current at 25 °C
Shelf Life	2 years	$ \Delta cap \leq 10\%$ of initial value at 25 °C $ \Delta ESR \leq 50\%$ of specified value at 25 °C Without electrical charge under T_{max}