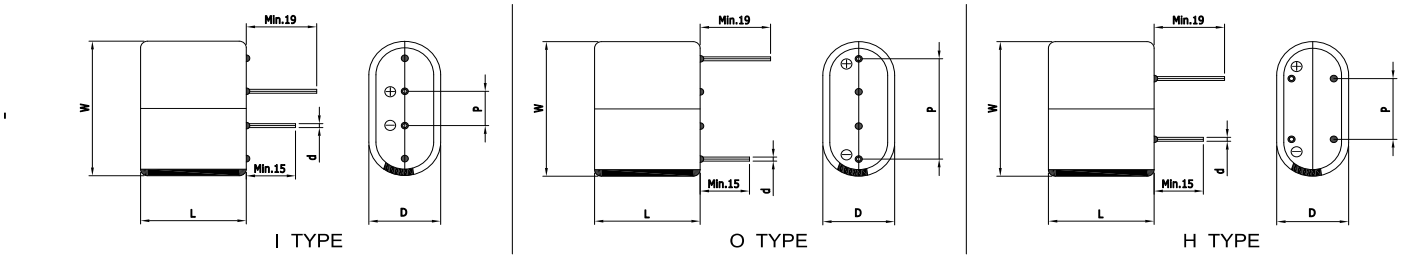
2-Serial Module 5.0V 3.5F

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	22.5	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 5R0 355 QG-X	5.0	3.5	355.00	585.00	3.	0.014	43.8	10.5 x 21.0 x 22.5	5.4

* X is variant type code such as I, O or H.
* Maximum Current: 1 second discharge to ½·V_R
* Leakage Current: After 72hours at V_R and 25℃

Item	Characteristics	Remarks
Rated Voltage(V_R)	5.0V	
Capacitance Tolerance	-10 ~ +30%	
Operating Temperature (T_{min} ~ T_{max})	-25 ~ +70℃	|Δcap| ≤ 30% of initial value at 25℃ |ΔESR| ≤ 100% of specified value at 25℃ After 1,000 hours application of V_R at T_{max}
Storage Temperature	-40 ~ 70℃	
Cycle Life	500,000 cycles	|Δcap| ≤ 30% of initial value at 25℃ |ΔESR| ≤ 100% of specified value at 25℃ Cycles from V_R to ½·V_R under constant current at 25℃
Shelf Life	2 years	|Δcap| ≤ 10% of initial value at 25℃ |ΔESR| ≤ 50% of specified value at 25℃ Without electrical charge under T_{max}

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