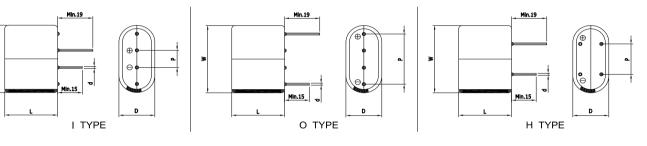
# 2-Serial Module 5.4V 5F

# Hy#Cap

#### 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	Ф0.6	l: 5.5	O: 15.5 H: 10.5	

This drawing is not to be scaled.

## **SPECIFICATIONS**

Part Number	Rated Voltage, V <sub>R</sub>	Rated Capacitance	AC ESR 1kHz	DC IR	Maximum Current	Leakage Current	Stored Energy	Dimension D x W x L	Weight
	(∨)	(F)	(mΩ)	(mΩ)	(A)	(mA)	(J)	(mm)	(g)
VEC 5R4 505 QG-X	5.4	5.	55.00	75.00	10.	0.020	72.9	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  $^{\circ}\!\!\!\mathrm{C}$ 

ltem	Characteristics	Remarks
Rated Voltage(V <sub>R</sub> )	5.4V	
Capacitance Tolerance	-10 ~ +30%	
		$ \Delta cap  \le 30\%$ of initial value at 25 $^\circ C$
Operating Temperature (T <sub>min</sub> ~ T <sub>max</sub> )	-40 ~ +65 ℃	$ \Delta ESR  \le 100\%$ of specified value at 25 °C
('min 'max/		After 1,000 hours application of $V_R$ at $T_{max}$
Storage Temperature	<b>-40 ~ 70</b> ℃	
		$ \Delta cap  \le 30\%$ of initial value at 25 $^{\circ}$ C
Cycle Life	500,000 cycles	$ \Delta ESR  \le 100\%$ of specified value at 25 $^{\circ}$ C
		Cycles from $V_R$ to $\frac{1}{2} \cdot V_R$ under constant current at 25°C
	2 years	∆cap  ≤ 10% of initial value at 25 ℃
Shelf Life		$ \Delta ESR  \le 50\%$ of specified value at 25 $^{\circ}C$
		Without electrical charge under T <sub>max</sub>



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