## **EDLC 2.5V 30F**

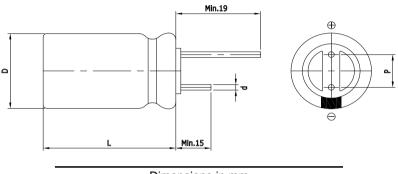


## **FEATURES**

Electric double layer capacitor
Higher power density with ultra low ESR
Semi-permanent, quick charge and discharge than batteries
Suitable for short-term peak power assistance application
UL and ISO/TS certificated, RoHS compliant
Radial design with lead terminal type



## **DIMENSIONS**



Dimensions in mm						
D +1.0 Max	L ± 1.5	d ± 0.1	P ± 0.5			
Ф16.0	30.0	Ф0.8	7.5			

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 L	Weight
	(V)	(F)	$(m\Omega)$	$(m\Omega)$	(A)	(mA)	(J)	(mm)	(g)
VEC 2R5 306 QG	2.5	30.	30.00	45.00	15.	0.060	93.8	16.0 x 30.0	10.0

<sup>\*</sup> Maximum Current: 1 second discharge to  $1/\!\!\!/ \cdot V_R$ 

<sup>\*</sup> Leakage Current: After 72hours at  $V_R$  and 25  $^{\circ}{\rm C}$ 

Item	Characteristics	Remarks
Rated Voltage(V <sub>R</sub> )	2.5V	
Capacitance Tolerance	-10 ~ 30%	
Operating Temperature (T <sub>min</sub> ~ T <sub>max</sub> )	-25 ~ +70 ℃	$ \Delta \text{cap}  \le 30\%$ of initial value at 25 °C $ \Delta \text{ESR}  \le 100\%$ of specified value at 25 °C After 1,000 hours application of V <sub>R</sub> at T <sub>max</sub>
Storage Temperature	-40 ~ 70℃	
Cycle Life	500,000 cycles	$ \Delta \text{cap}  \le 30\%$ of initial value at 25 °C $ \Delta \text{ESR}  \le 100\%$ of specified value at 25 °C Cycles from V <sub>R</sub> to ½·V <sub>R</sub> under constant current at 25°C
Shelf Life	2 years	$ \Delta \text{cap}  \le 10\%$ of initial value at 25 °C $ \Delta \text{ESR}  \le 50\%$ of specified value at 25 °C Without electrical charge under T <sub>max</sub>



Tel: +82-31-455-3064 E-mail: hycap@vina.co.kr Web: www.vina.co.kr Design and specifications are subjected to change without notice. version 9.1 on November 23, 2015