EDLC 3.0V 100F

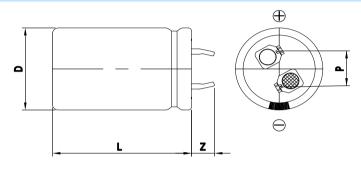


FEATURES

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 2-pin snap-in terminal type



DIMENSIONS



Dimensions in mm					
D +1.5 Max	L ± 2.0	Z ± 1.0	P ± 0.2		
Ф22.0	45.0	6.0	10.0		

This drawing is not to be scaled.

SPECIFICATIONS

Part Number	Rated Voltage, V _R	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 3R0 107 QG	3.0	100.	6.00	10.00	75.	0.300	450.0	22.0 x 45.0	20.0

^{*} Maximum Current: 1 second discharge to $1/\!\!\!/ \cdot V_R$

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

Item	Characteristics	Remarks
Rated Voltage(V _R)	3.0V	
Capacitance Tolerance	-10 ~ 30%	
Operating Temperature (T _{min} ~ T _{max})	-40 ~ +65℃	$ \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 _R at T _{max}
Storage Temperature	-40 ~ 70 ℃	, I IIIIA
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_R to ½ $\cdot V_R$ under constant current at 25 °C
Shelf Life 2 years		$ \Delta cap $ ≤ 10% of initial value at 25 $^{\circ}$ C $ \Delta ESR $ ≤ 50% of specified value at 25 $^{\circ}$ C Without electrical charge under T _{max}



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