EDLC 3.0V 500F

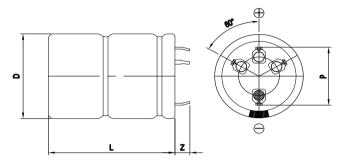


FEATURES

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 4-pin snap-in terminal type



DIMENSIONS



Dimensions in mm					
D +1.5 Max	L ± 2.0	Z ± 1.0	P ± 0.2		
Ф35.0	82.0	6.0	23.0		

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
1		(V)	(F)	$(m\Omega)$	$(m\Omega)$	(A)	(mA)	(J)	(mm)	(g)
Ī	VEC 3R0 507 QG	3.0	500.	3.00	4.50	230.	1.500	2,250.0	35.0 x 82.0	96.0

^{*} Maximum Current: 1 second discharge to ½·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%		
o		Δcap ≤ 30% of initial value at 25 °C	
Operating Temperature (T _{min} ~ T _{max})	-40 ~ +65 ℃	ΔESR ≤ 100% of specified value at 25 ℃	
(•min •max/		After 1,000 hours application of V_R at T_{max}	
Storage Temperature	-40 ~ 70 ℃		
		Δcap ≤ 30% of initial value at 25 °C	
Cycle Life	500,000 cycles	ΔESR ≤ 100% of specified value at 25 ℃	
		Cycles from V_R to $1/2 \cdot V_R$ under constant current at 25°C	
		Δcap ≤ 10% of initial value at 25 °C	
Shelf Life	2 years	ΔESR ≤ 50% of specified value at 25 ℃	
		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