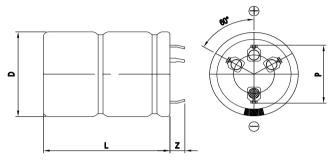
EDLC 2.5V 500F

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	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)	(mΩ)	(mΩ)	(A)	(mA)	(J)	(mm)	(g)
VEC 2R5 507 QG	2.5	500.	5.00	9.00	110.	1.000	1,562.5	35.0 x 82.0	83.0
* Maximum Current: 1 second discharge to ½·V _R									

* Leakage Current: After 72hours at V_R and 25 °C

ltem	Characteristics	Remarks
Rated Voltage(V _R)	2.5V	
Capacitance Tolerance	-10 ~ 30%	
Operating Temperature (T _{min} ~ T _{max})		$ \Delta cap \le 30\%$ of initial value at 25 °C
	-25 ~ +70 ℃	$ \Delta ESR \le 100\%$ of specified value at 25 $^{\circ}$ C
(•min •max/		After 1,000 hours application of V_R at T_{max}
Storage Temperature	-40 ~ 70 ℃	
		$ \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
Shelf Life	2 years	∆cap ≤ 10% of initial value at 25 ℃
		$ \Delta ESR \le 50\%$ of specified value at 25 $^{\circ}$ C
		Without electrical charge under T _{max}



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