EDLC 2.7V 100F

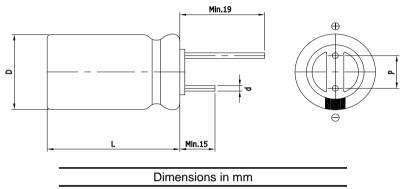


FEATURES

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 lead terminal type



DIMENSIONS



Dimensions in mm						
D +1.0 Max	L ± 1.5	d ± 0.1	P ± 0.5			
Ф18.0	59.0	Ф0.8	7.5			

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 2R7 107 QD	2.7	100.	10.00	16.00	51.	0.200	364.5	18.0 x 59.0	17.0

^{*} 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)	2.7V	
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℃	
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·V _R under constant current at 25°C
Shelf Life 2 years		$ \Delta \text{cap} $ ≤ 10% of initial value at 25 °C $ \Delta \text{ESR} $ ≤ 50% of specified value at 25 °C Without electrical charge under T _{max}



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