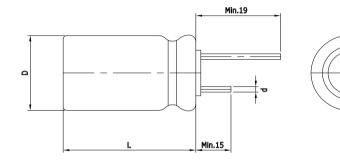
## EDLC 2.7V 18F

## **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			
Ф13.0	25.0	Ф0.6	5.0			

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)	(mΩ)	(mΩ)	(A)	(mA)	(J)	(mm)	(g)
VEC 2R7 186 QC	2.7	18.	25.00	40.00	14.	0.036	65.6	13.0 x 25.0	4.8
* Maximum Current: 1 second discharge to ½·V <sub>R</sub>									

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

Item	Characteristics	Remarks
Rated Voltage(V <sub>R</sub> )	2.7V	
Capacitance Tolerance	-10 ~ 30%	
		$ \Delta cap  ≤ 30\%$ of initial value at 25 °C
Operating Temperature (T <sub>min</sub> ~ T <sub>max</sub> )	-40 ~ +65 ℃	$ \Delta ESR $ ≤ 100% of specified value at 25 $^{\circ}$ C
( · min · max/		After 1,000 hours application of $V_{\text{R}}$ at $T_{\text{max}}$
Storage Temperature	<b>-40 ~ 70</b> ℃	
		$ \Delta cap  ≤ 30\%$ of initial value at 25 °C
Cycle Life	500,000 cycles	$ \Delta ESR $ ≤ 100% of specified value at 25 $^{\circ}$ C
		Cycles from V <sub>R</sub> to $\frac{1}{2}$ ·V <sub>R</sub> under constant current at 25°C
		Δcap  ≤ 10% of initial value at 25 ℃
Shelf Life	2 years	$ \Delta ESR  ≤ 50\%$ of specified value at 25 °C
		Without electrical charge under T <sub>max</sub>



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