

Axial EDLC 2.7V 3,000F

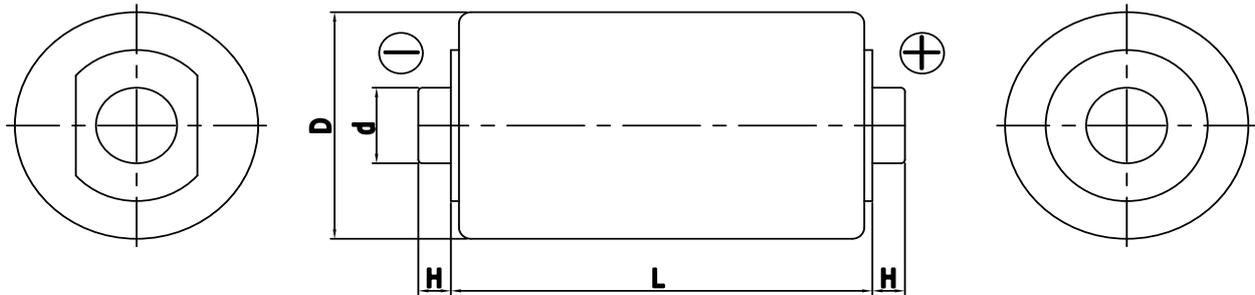


FEATURES

- Electric double layer capacitor
- High power density with ultra low ESR
- Semi-permanent, quick charge and discharge than batteries
- Suitable for electric power storage application
- RoHS compliant
- Radial design with 2-plate terminal type



DIMENSIONS



Dimensions in mm			
$D \pm 0.2$	$L \pm 0.5$	$d \pm 0.05$	$H \pm 0.1$
$\Phi 60.4$	138.0	$\Phi 14.0$	3.2

This drawing is not to be scaled.

SPECIFICATIONS

Part Number	Rated Voltage, V_R (V)	Rated Capacitance (F)	AC ESR 1kHz (m Ω)	DC IR (m Ω)	Maximum Current (A)	Leakage Current (mA)	Stored Energy (J)	Dimension D x L (mm)	Weight (g)
VEC 2R7 308 HG-W	2.7	3,000.	0.21	0.28	2,201.	5.200	10,935.0	60.4 x 138.0	535.0

* Maximum Current: 1 second discharge to $\frac{1}{2} \cdot V_R$

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

Item	Characteristics	Remarks
Rated Voltage(V_R)	2.7V	
Capacitance Tolerance	0 ~ +20%	
Operating Temperature ($T_{min} \sim T_{max}$)	-40 ~ +65 °C	$ \Delta cap \leq 20\%$ of initial value at 25 °C $ \Delta ESR \leq 200\%$ of specified value at 25 °C After 1,500 hours application of V_R at T_{max}
Storage Temperature	-40 ~ +70 °C	
Cycle Life	1,000,000 cycles	$ \Delta cap \leq 20\%$ of initial value at 25 °C $ \Delta ESR \leq 200\%$ of specified value at 25 °C Cycles from V_R to $\frac{1}{2} \cdot V_R$ under constant current at 25 °C
Shelf Life	10 years	$ \Delta cap \leq 20\%$ of initial value at 25 °C $ \Delta ESR \leq 200\%$ of specified value at 25 °C Without electrical charge under T_{max}