

# Axial EDLC 2.7V 650F

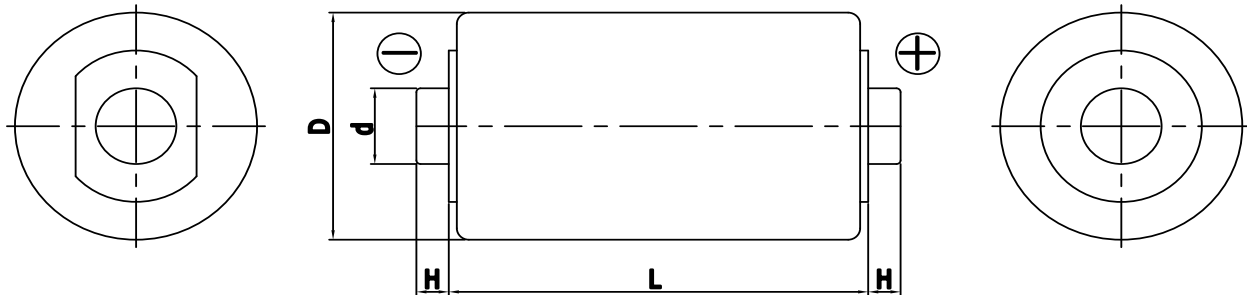


## FEATURES

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			
$D \pm 0.2$	$L \pm 0.5$	$d \pm 0.05$	$H \pm 0.1$
$\Phi 60.4$	51.5	$\Phi 14.0$	3.2

This drawing is not to be scaled.

## SPECIFICATIONS

Part Number	Rated Voltage, $V_R$ (V)	Rated Capacitance (F)	AC ESR 1kHz (m $\Omega$ )	DC IR (m $\Omega$ )	Maximum Current (A)	Leakage Current (mA)	Stored Energy (J)	Dimension D x L (mm)	Weight (g)
VEC 2R7 657 HG-W	2.7	650.	0.50	0.70	603.	1.500	2,369.3	60.4 x 51.5	215.0

\* 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 $T_{max}$