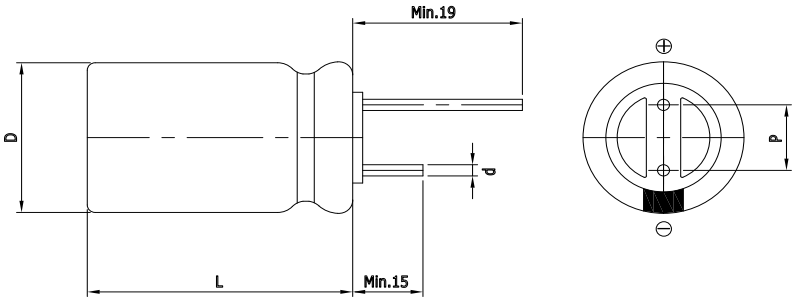
EDLC 3.0V 50F

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
Φ18.0	40.0	Φ0.8	7.5

This drawing is not to be scaled.

SPECIFICATIONS

Part Number	Rated Voltage, V_R (V)	Rated Capacitance (F)	AC ESR 1kHz (mΩ)	DC IR (mΩ)	Maximum Current (A)	Leakage Current (mA)	Stored Energy (J)	Dimension D x L (mm)	Weight (g)
VEC 3R0 506 QG	3.0	50.	12.50	19.00	38.	0.150	225.0	18.0 x 40.0	12.5

* Maximum Current: 1 second discharge to ½·V_R
* Leakage Current: After 72hours at V_R and 25℃

Item	Characteristics	Remarks
Rated Voltage(V_R)	3.0V	
Capacitance Tolerance	-10 ~ 30%	
Operating Temperature (T_{min} ~ T_{max})	-40 ~ +65℃	|Δcap| ≤ 30% of initial value at 25℃ |ΔESR| ≤ 100% of specified value at 25℃ After 1,000 hours application of V_R at T_{max}
Storage Temperature	-40 ~ 70℃	
Cycle Life	500,000 cycles	|Δcap| ≤ 30% of initial value at 25℃ |ΔESR| ≤ 100% of specified value at 25℃ Cycles from V_R to ½·V_R under constant current at 25℃
Shelf Life	2 years	|Δcap| ≤ 10% of initial value at 25℃ |ΔESR| ≤ 50% of specified value at 25℃ Without electrical charge under T_{max}

Tel: +82-31-455-3064 E-mail: hycap@vina.co.kr Web: www.vina.co.kr

Design and specifications are subjected to change without notice.

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