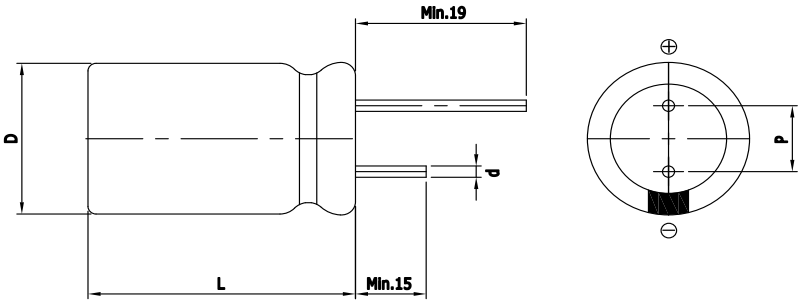
# EDLC 2.7V 1F

## 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-p8

## DIMENSIONS




| Dimensions in mm | | | |
|---|---|---|---|
| D +1.0 Max | L ± 1.5 | Z ± 0.1 | P ± 0.5 |
| Φ8.0 | 13.0 | 0.6 | 3.5 |

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 2R7 105 QG | 2.7 | 1. | 130.00 | 195.00 | 1. | 0.002 | 3.6 | 8.0 x 13.0 | 1.1 |

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

| Item | Characteristics | Remarks |
|---|---|---|
| Rated Voltage($V_R$) | 2.7V | |
| Capacitance Tolerance | -10 ~ 30% | |
| Operating Temperature ($T_{min}$ ~ $T_{max}$) | -40 ~ +65℃ | \|Δcap\| ≤ 30% of initial value at 25℃<br>\|ΔESR\| ≤ 100% of specified value at 25℃<br>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℃<br>\|ΔESR\| ≤ 100% of specified value at 25℃<br>Cycles from $V_R$ to ½·$V_R$ under constant current at 25℃ |
| Shelf Life | 2 years | \|Δcap\| ≤ 10% of initial value at 25℃<br>\|ΔESR\| ≤ 50% of specified value at 25℃<br>Without electrical charge under $T_{max}$ |

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**Design and specifications are subjected to change without notice.**
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