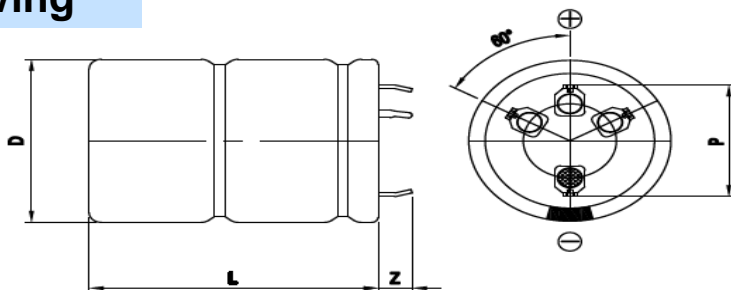


FEATURES

EDLC (Electric Double Layer Capacitor)

- High Power Density (Low ESR)
- Over 500,000 cycle life (semi-permanent)
- Higher energy density compared with 2.7V caps
- RoHS compliant

Drawing



| | |
|--------|-------------|
| D (Φ) | 35 +1.5 Max |
| L (mm) | 82 ±2.0 |
| Z (mm) | 6.0 ±1.0 |
| P (mm) | 23.0 ±0.2 |

SPECIFICATION

| ITEM | | CHARACTERISTICS | |
|---------------------------------|--------|--|------------------------------|
| Product series | | EDLC | |
| Rated Voltage (V _R) | | 3.0V | |
| Operating Temperature | | -40 ~ +65°C | |
| Capacitance Tolerance | | -10 ~ +30% | |
| High Temperature Load Life | | After 1,000 hours at V _R loaded under +65°C, capacitors meet the following criteria. | |
| | | Capacitance Change | ≤ 30% of initial value |
| | | ESR | ≤ 2 times of specified value |
| | | 85°C Higher Temperature | Max. 2.4V |
| Cycle Life Characteristics | Cycle | Over 500,000 | |
| | ΔC | ≤ 30% of initial value | |
| | ESR | ≤ 2 times of specified value | |
| | Method | Cycle of Charge/discharge from V _R to 1/2V _R | |
| Shelf Life | | 2 Years No Electrical Charge, Temperature below 70°C (ΔC : ≤ 10% of initial value / ΔESR : ≤ 50% of specified value) | |

| Part Number | Rated Voltage (V) | Capacitance (F) | ESR (mΩ) | | Max. Current (A) | Leakage Current (mA, 72hr) | Size (mm) |
|----------------|-------------------|-----------------|----------|-----|------------------|----------------------------|-----------|
| | | | AC(1kHz) | DC | | | D x L |
| VEP 3R0 507 QG | 3.0 | 500 | 2.0 | 2.5 | 290.0 | 1.500 | 35 x 82 |

* Max. Current : 1 sec. discharge to 1/2V_R