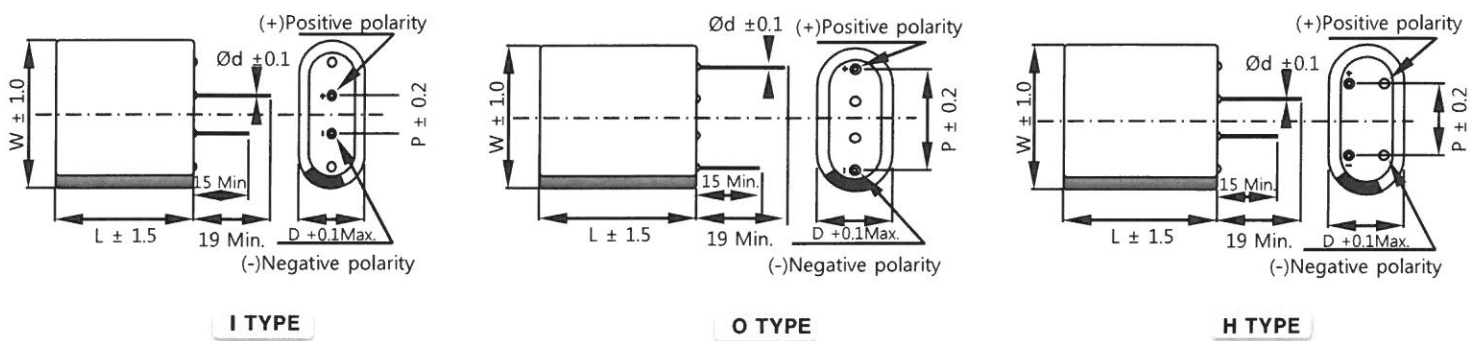


FEATURES

- High Power Density (Low ESR)
- Over 500,000 cycle life (semi-permanent)
- 2 units serially connected to provide 6.0V products
- RoHS compliant
- Long-term reliability improved at high temperature and humidity(65°C 90%RH)

Drawing



D = 10.5mm

| TYPE | I | O | H |
|------|-----|------|------|
| P | 5.5 | 15.5 | 10.5 |

(Unit : mm)

SPECIFICATION

| ITEM | CHARACTERISTICS | |
|----------------------------|--|--|
| Product series | EDLC 2SERIAL MODULE | |
| Rated Voltage (V_R) | 6.0V | |
| 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 |
| 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 (μA, 72hr) | Size (mm) |
|-------------|-------------------|-----------------|----------|-----|------------------|----------------------------|------------|
| | | | AC(1kHz) | DC | | | D x L x L |
| WEC6R0505QG | 6.0 | 5.0 | 75 | 115 | 9.5 | 0.030 | 10.5x21x32 |

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