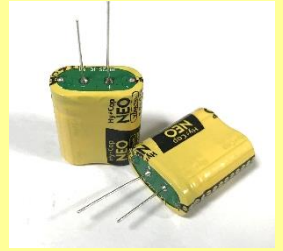
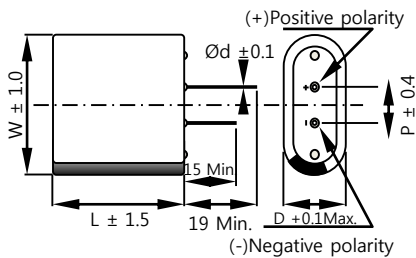


FEATURES

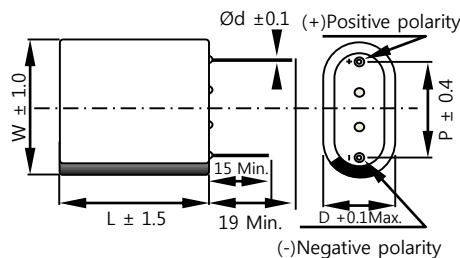
- High Power Density
- Over 500,000 cycle life (semi-permanent)
- 2 units serially connected to provide 6.0V products
- RoHS compliant
- Long-term reliability improved at high temperature and humidity



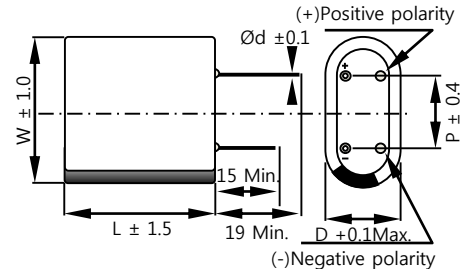
Drawing



I TYPE



O TYPE



H TYPE

D = 10.5mm, d = 0.6mm

| TYPE | I | O | H |
|------|-----|------|------|
| P | 5.0 | 16.0 | 10.5 |

(Unit : mm)

SPECIFICATION

| ITEM | CHARACTERISTICS | |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Product series | EDLC 2 SERIAL 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 | 3 Years | |
| | No Electrical Charge, Temperature below 25°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) D x W x L |
|-------------|-------------------|-----------------|----------|-----|------------------|----------------------------|-------|------------------------|
| | | | AC(1kHz) | DC | | @5.4V | @6.0V | |
| WEC6R0255QG | 6.0 | 2.5 | 165 | 245 | 4.5 | 0.010 | 0.015 | 10.5x21x22.5 |

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

* When do module more than 2 series, please fully discharge over 1 hour first, then assemble right after within 1 hour.