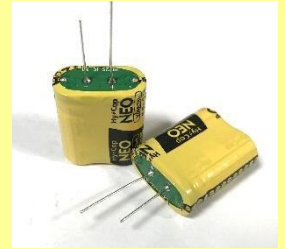
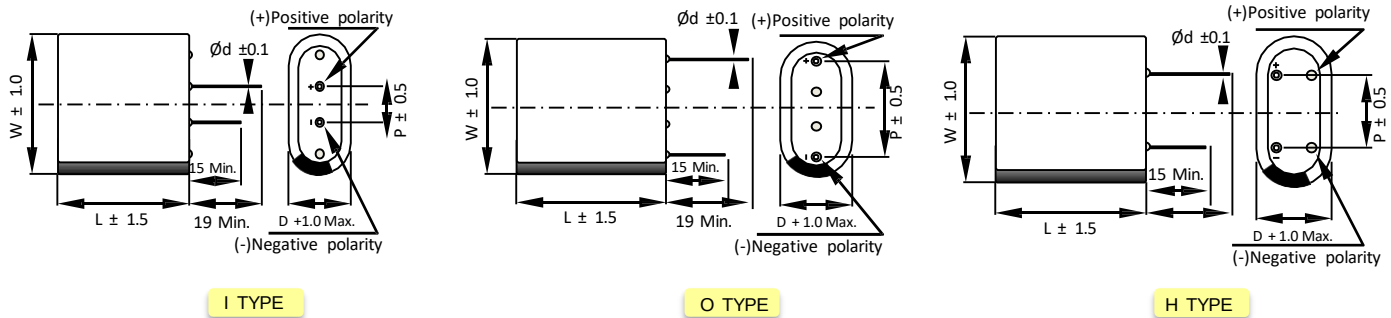


## FEATURES

- 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



D = 8.5mm, d=0.6mm

| TYPE | I   | O    | H   |
|------|-----|------|-----|
| P    | 4.5 | 12.9 | 8.5 |

(Unit : mm)

## SPECIFICATION

| ITEM                            |        | CHARACTERISTICS                                                                                                |                 |                              |     |                  |                            |       |           |
|---------------------------------|--------|----------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|-----|------------------|----------------------------|-------|-----------|
| Product series                  |        | EDLC 2 SERIAL MODULE                                                                                           |                 |                              |     |                  |                            |       |           |
| Rated Voltage (V <sub>R</sub> ) |        | 6.0V                                                                                                           |                 |                              |     |                  |                            |       |           |
| Operating Temperature           |        | -40 ~ +65℃                                                                                                     |                 |                              |     |                  |                            |       |           |
| Capacitance Tolerance           |        | -10 ~ +30%                                                                                                     |                 |                              |     |                  |                            |       |           |
| High Temperature Load Life      |        | After 1,000 hours at V <sub>R</sub> loaded under +65℃, capacitors meet the following criteria.                 |                 |                              |     |                  |                            |       |           |
|                                 |        | Capacitance Change                                                                                             |                 | ≤ 30% of initial value       |     |                  |                            |       |           |
|                                 |        | ESR                                                                                                            |                 | ≤ 2 times of specified value |     |                  |                            |       |           |
|                                 |        | 85℃ Temperature                                                                                                |                 | Max. 4.8V                    |     |                  |                            |       |           |
| 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 <sub>R</sub> to 1/2V <sub>R</sub>                                             |                 |                              |     |                  |                            |       |           |
| Shelf Life                      |        | 3 Years                                                                                                        |                 |                              |     |                  |                            |       |           |
|                                 |        | No Electrical Charge, Temperature below 25℃<br>(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  |                  | @5.4V                      | @6.0V | D x W x L |
| WEC 6R0 155 QG                  |        | 6.0                                                                                                            | 1.5             | 155                          | 255 | 3.5              | 0.007                      | 0.010 | 8.5x17x22 |

\* 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.