

### FEATURES

- Small size and low resistance
- Passive linear voltage balanced cells
- Quick charge and discharge
- JST ZHR-2 quick connect
- RoHS compliant
- UL recognized



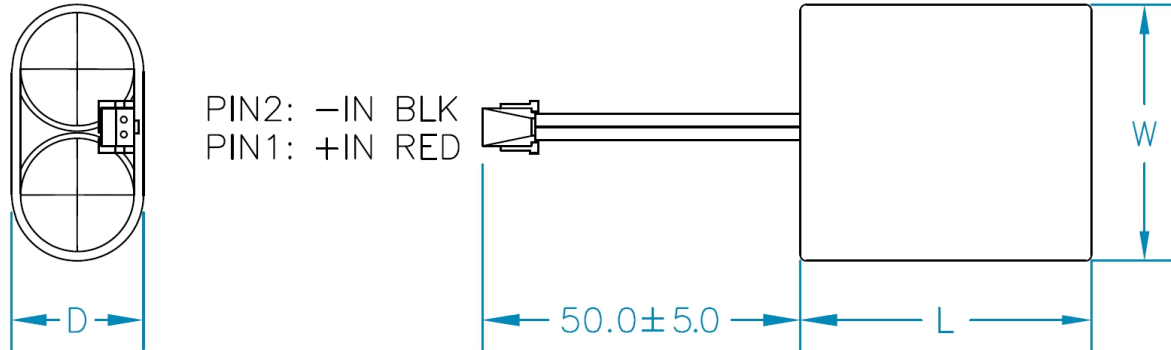
### APPLICATIONS

- Pulse power demand
- Hybrid battery packs
- Portable electronic devices

### GENERAL SPECIFICATIONS

| Item  | Performance  |
|---|--|
| Operating temperature   | -40°C to +65°C @ 5.4V<br>-40°C to +85°C @ 4.6V   |
| Storage temperature   | -40°C to +70°C   |
| Capacitance   | 0.25F  |
| Rated voltage   | 5.4 VDC / 4.6 VDC  |
| Surge voltage   | 5.7 VDC  |
| Temperature characteristics   | Capacitance change: Within $\pm 5\%$ of initial measured value at +25°C (-40°C to +65°C)<br>Internal resistance: Within $\pm 50\%$ of initial measured value at +25°C (at -40°C) |
| Endurance<br>(At rated voltage & max. operating temp)                     | After 1000 hours:<br>Capacitance change: within $\pm 30\%$ of initial rated value<br>Internal resistance: Within 2 times of initial specified value                              |
| Projected Load life<br>(At rated voltage & 25°C)                          | After 10 years:<br>Capacitance change: Within $\pm 30\%$ of initial rated value<br>Internal resistance: Within 2 times of initial specified value                                |
| Projected cycle life<br>(From rated voltage to 1/2 rated voltage at 25°C) | After 500,000 cycles:<br>Capacitance change: Within $\pm 30\%$ of initial rated value<br>Internal resistance: Within 2 times of initial specified value                          |
| Shelf life  | After 2 years at 25°C without load, the capacitor shall meet the specified endurance limits.   |

**DIMENSIONS**



**STANDARD PRODUCTS**

| Part Number   | Nom. Cap. (F) | GMV (F)* | ESR DC (mΩ) | ESR AC (mΩ)<br>(1 KHz) | Leakage Current<br>(mA)<br>(72 hrs @ 25C) | Dimensions (mm) |    |    | Rated<br>Current (A) |
|---------------|---------------|----------|-------------|------------------------|---|-----------------|----|----|----------------------|
|               |               |          |             |                        |   | D               | L  | W  |                      |
| PBLL-0.25/5.4 | 0.25          | 0.23     | 3660        | 1460                   | 0.08                                      | 10              | 17 | 18 | 0.35                 |

\*NOTE: GMV = Guaranteed Minimum Value.