

**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

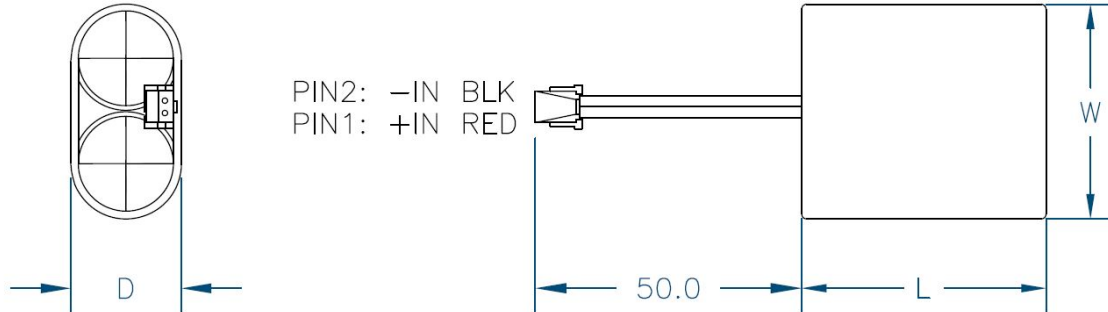


**GENERAL SPECIFICATIONS**

Item	Performance
Operating temperature	-40°C to +65°C @ 5.4V -40°C to +85°C @ 4.6V
Storage temperature	-40°C to +70°C
Capacitance	1F
Capacitance tolerance	-10/+20%
Rated voltage	5.4V/4.6V
Surge voltage	5.7V
Temperature characteristics	Capacitance change: Within $\pm 5\%$ of initial measured value at +25°C (-40°C to +65°C) Internal resistance: Within $\pm 50\%$ of initial measured value at +25°C (at -40°C)
Endurance (At rated voltage & max. operating temp)	After 1000 hours: Capacitance change: within $\pm 30\%$ of initial rated value Internal resistance: Within 2 times of initial specified value
Load life (At rated voltage & 25°C)	After 10 years: Capacitance change: Within $\pm 30\%$ of initial rated value Internal resistance: Within 2 times of initial specified value
Cycle life (From rated voltage to 1/2 rated voltage at 25°C)	After 500,000 cycles: Capacitance change: Within $\pm 30\%$ of initial rated value Internal resistance: Within 2 times of initial specified value
Shelf life	After 1000 hours storage, at 70°C without load, the capacitor shall meet the specified endurance limits.

**DIMMENSIONS (mm)**

Units = mm



PIN2: -IN BLK  
 PIN1: +IN RED

**STANDARD PRODUCTS**

Part Number	Cap. (F)	Voltage	ESR DC (mΩ)	ESR AC (mΩ) (1 KHz)	Leakage Current (mA) (72 hrs @ 25C)	Dimensions (mm)			Max Peak Current (A)
						L	W	H	
PBLL-1.0/5.4	1	5.4	760	425	0.09	19.5	18	9.5	1.5

**PART NUMBER EXAMPLE**

PBLL	-	1.0	/	5.4
Type		Capacitance Code (F)		Voltage