

FEATURES

- Active balancing
- Small size and low resistance
- Quick charge and discharge
- RoHS compliant
- JST ZHR-2 quick connect

APPLICATIONS

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

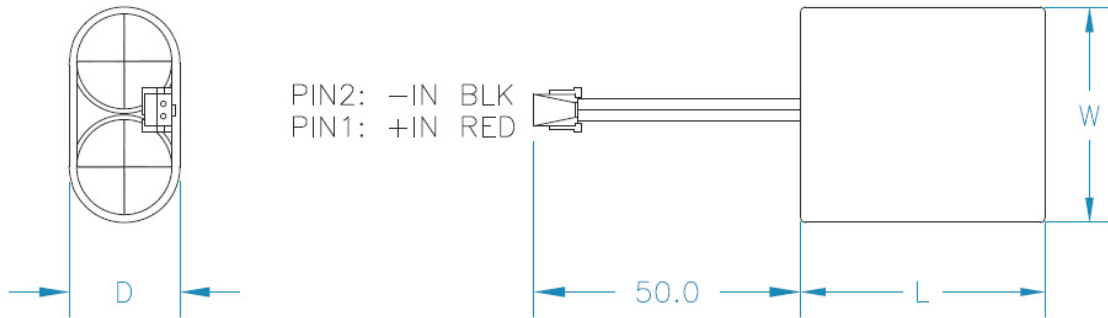


GENERAL SPECIFICATIONS

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 range	2F to 5F
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.

DIMENSIONS (mm)

Units = mm



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-2.0/5.4AB	2	5.4	565	365	0.014	23.5	22	11.5	2.5
PBLL-3.0/5.4AB	3	5.4	325	205	0.012	23.5	22	11.5	4.1
PBLL-4.0/5.4AB	4	5.4	265	185	0.020	28.5	22	11.5	5.2
PBLL-5.0/5.4AB	5	5.4	235	185	0.030	33.5	22	11.5	6.2

PART NUMBER EXAMPLE

PBLL	-	2.0	/	5.4	AB
Type		Capacitance Code (F)		Voltage	Active Balancing