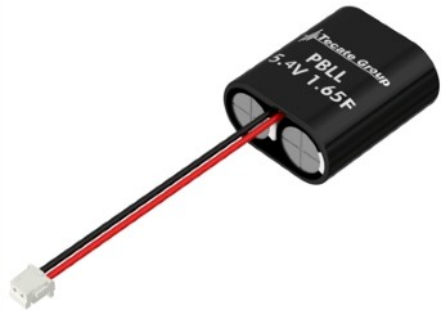
TYPE PBLL

PASSIVELY BALANCED ULTRACAPACITOR MODULES WITH LEADS AND CONNECTOR

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

Need a custom fit for your design? Click here to get started.

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	1.65F
Rated voltage	5.4 VDC / 4.6 VDC
Surge voltage	5.7 VDC
Temperature characteristics	Capacitance change: Within ±5% of initial measured value at +25°C (-40°C to +65°C) Internal resistance: Within ±50% of initial measured value at +25°C (at -40°C)
Endurance (At rated voltage & max. operating temp)	After 1000 hours: Capacitance change: within ±30% of initial rated value Internal resistance: Within 2 times of initial specified value
Projected Load life (At rated voltage & 25°C)	After 10 years: Capacitance change: Within ±30 % of initial rated value Internal resistance: Within 2 times of initial specified value
Projected cycle life (From rated voltage to 1/2 rated voltage at 25°C)	After 500,000 cycles: Capacitance change: Within ±30 % of initial rated value Internal resistance: Within 2 times of initial specified value
Shelf life	After 4 years at 25°C without load, the capacitor shall meet the specified endurance limits.

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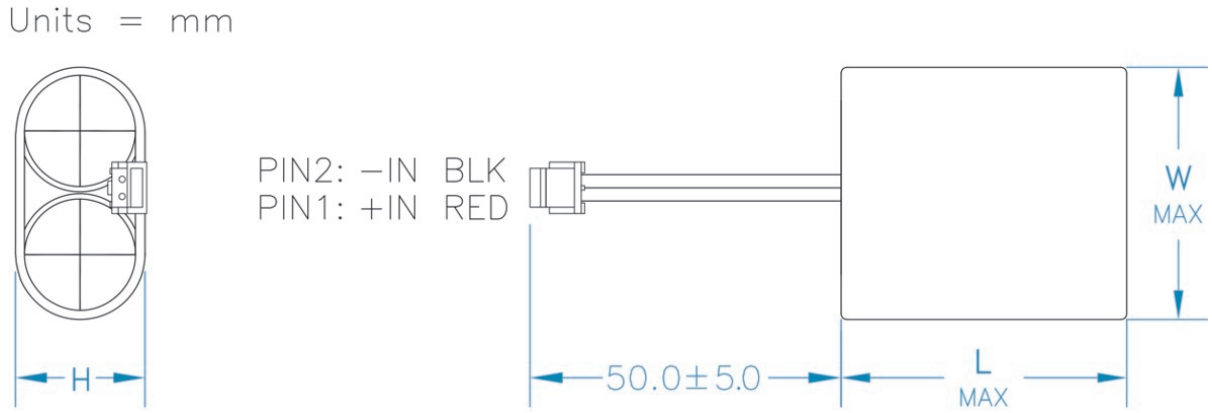
DIMENSIONS



STANDARD PRODUCTS

Part Number	Nom. Cap. (F)	GMV (F)*	ESR DC (mΩ)	ESR AC (mΩ) (1 KHz)	Leakage Current (μA) (72 hrs @ 25C)	Dimensions (mm)			Rated Current (A)
						L	W	H	
PBLL-1.65/5.4	1.65	1.49	645	365	180	25	22	12	2.1

*NOTE: GMV = Guaranteed Minimum Value.

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