

FEATURES

- Compact size and energy dense
- Higher voltage
- Quick charge and discharge
- UL recognized RoHS & Reach compliant
- Molex 87439-0200

APPLICATIONS

- Pulse power demand
- Ride thru power support
- Back up power
- Stand alone or augment existing energy/power source

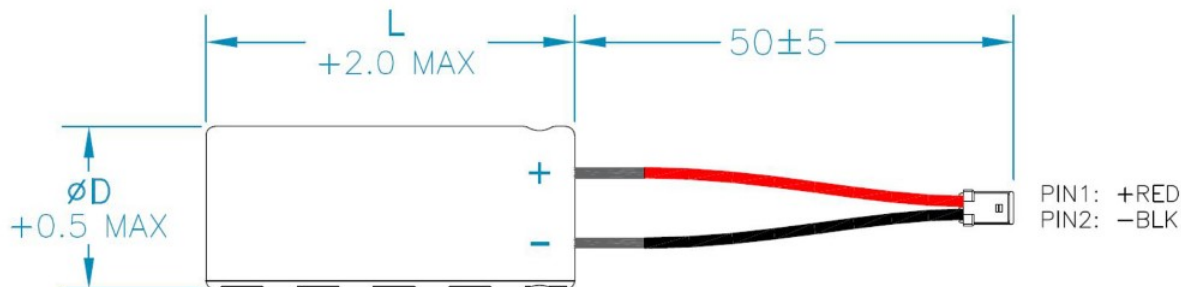


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GENERAL SPECIFICATIONS

Item	Performance
Operating temperature	-15°C to +70°C @ 3.8V -15°C to +85°C @ 3.5V
Storage temperature	-25°C to +70°C
Capacitance	50F
Capacitance tolerance	+/-20%
Rated voltage	3.8 VDC / 3.5 VDC
Minimum rated voltage	2.2 VDC
Surge voltage	4.2 VDC
Temperature characteristics	Capacitance change: Within ±50% of initial measured value at +25°C (-15°C to +70°C) Internal resistance: Within ±600% of initial measured value at +25°C (at -15°C)
Endurance (At rated voltage & max. operating temp)	After 1000 hours: Capacitance change: ±30% of minimum rated value Internal resistance: Within 2 times of maximum rated value
Projected cycle life	After 500,000 cycles: From 3.8V to 2.5V at 25°C Capacitance change: Within ±30 % of minimum value Internal resistance: Within 2 times of maximum rated value
Shelf life	Three years at 25°C, or 1000hours at 70°C without load. The Capacitor shall meet the specified endurance limits.

DIMENSIONS



STANDARD PRODUCTS

Part Number	UL	Nom. Cap. (F)	ESR AC (mΩ) (1 KHz)	ESR DC Typical (mΩ)	Leakage Current (μA)	Dimensions (mm)		Rated Current (A)	Max Current* (A)	Weight/Unit (grams)
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PBLC-3R8/50MA2		50	248	750	2	10	20	0.25	1.8	3.44

* Maximum allowable current for 3 seconds or less.