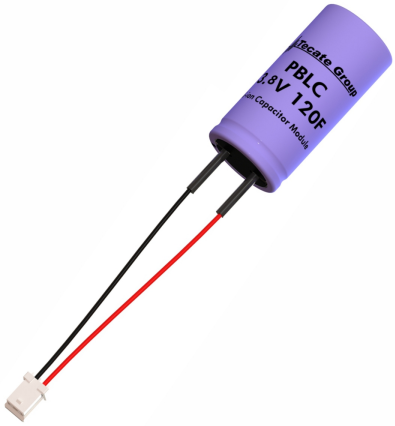
TYPE PBLC 3.8V

HYBRID CAPACITOR (LIC) WITH QUICK CONNECTOR

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

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

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	120F
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.

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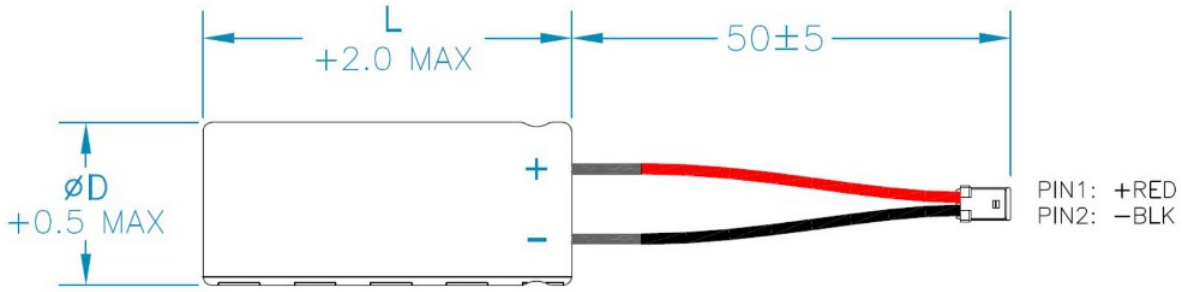
DIMENSIONS



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-3R8/120MA2		120	138	450	3	12.5	25	0.6	5	6.04

* Maximum allowable current for 3 seconds or less.

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