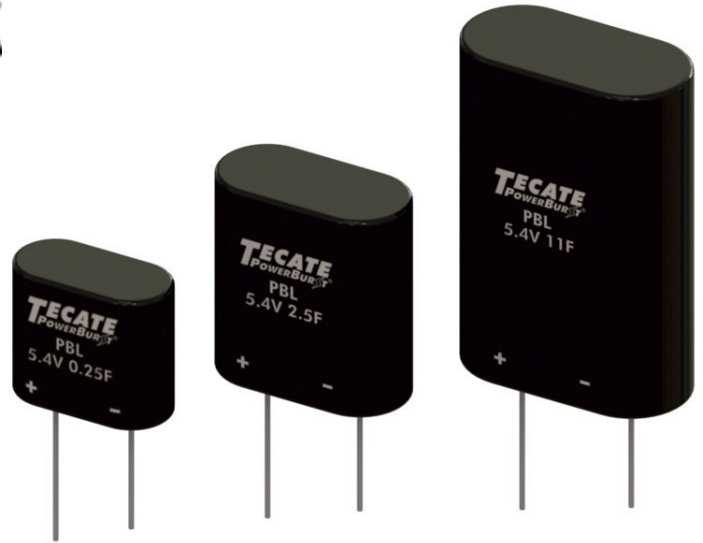# FEATURES

- Small size and low resistance
- Quick charge and discharge
- RoHS compliant
- UL recognized

APPLICATIONS

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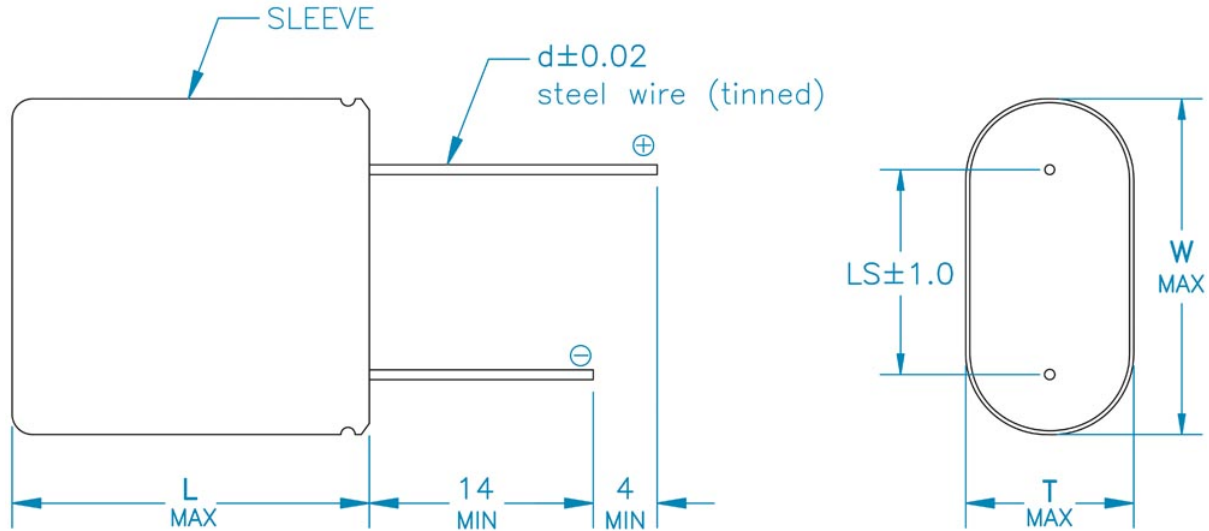- Hybrid battery packs
- Portable electronic devices

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	0.5F
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 +85°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, the capacitor shall meet the following limits: Capacitance change: ±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 2 years at 25°C without load, the capacitor shall meet the specified endurance limits.

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DIMENSIONS

Units = mm

SLEEVE

d±0.02 steel wire (tinned)

⊕

⊖

L MAX

14 MIN

4 MIN

LS±1.0

W MAX

T MAX

STANDARD PRODUCTS

Part Number	Nom. Cap. (F)	GMV (F)*	ESR DC (mΩ)	ESR AC (mΩ) (1 KHz)	Leakage Current (mA) (72 hrs @ 25C)	Dimensions (mm)					Rated Current (A)
						L	W	T	d	LS	
PBL-0.5/5.4	0.5	0.45	1400	630	0.08	17	18	10	0.6	12	0.79

*NOTE: GMV = Guaranteed Minimum Value.

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