

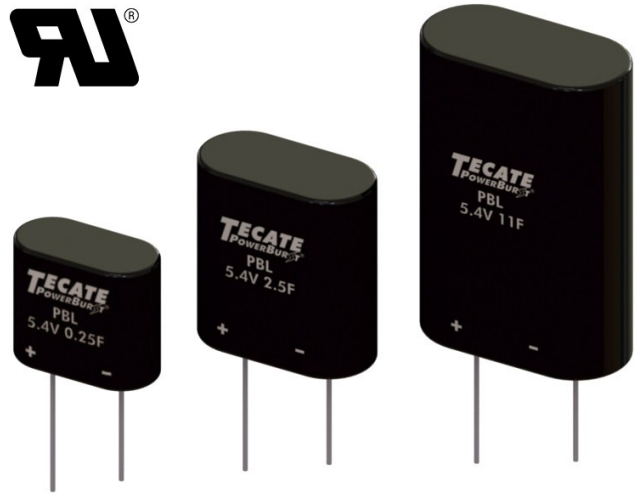
### FEATURES

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

### APPLICATIONS

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

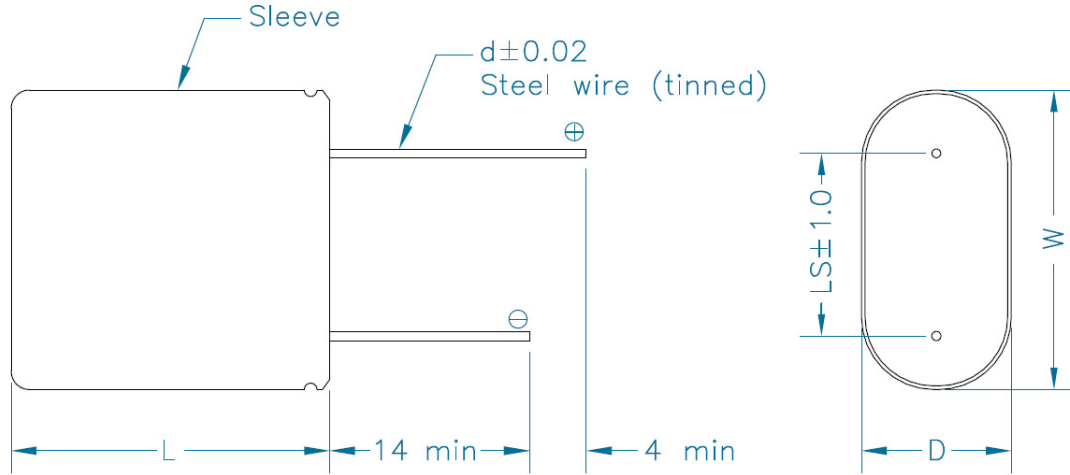
### GENERAL SPECIFICATIONS



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	1F
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 +85°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, the capacitor shall meet the following limits: Capacitance change: $\pm 30\%$ 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.

**DIMMENSIONS (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)
						D	L	W	d	LS	
PBL-1.0/5.4	1	5.4	700	360	0.09	9.5	19.5	18	0.6	12	1.59

**PART NUMBER EXAMPLE**

<b>PBL</b>	<b>-</b>	<b>1.0</b>	<b>/</b>	<b>5.4</b>
Type		Capacitance Code (F)		Voltage