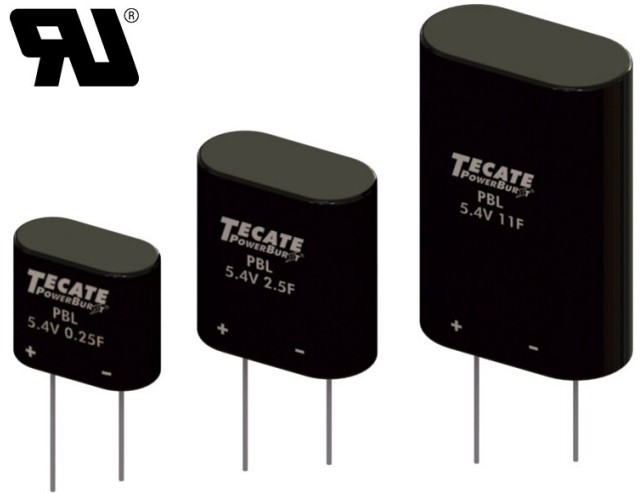


FEATURES

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

APPLICATIONS

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

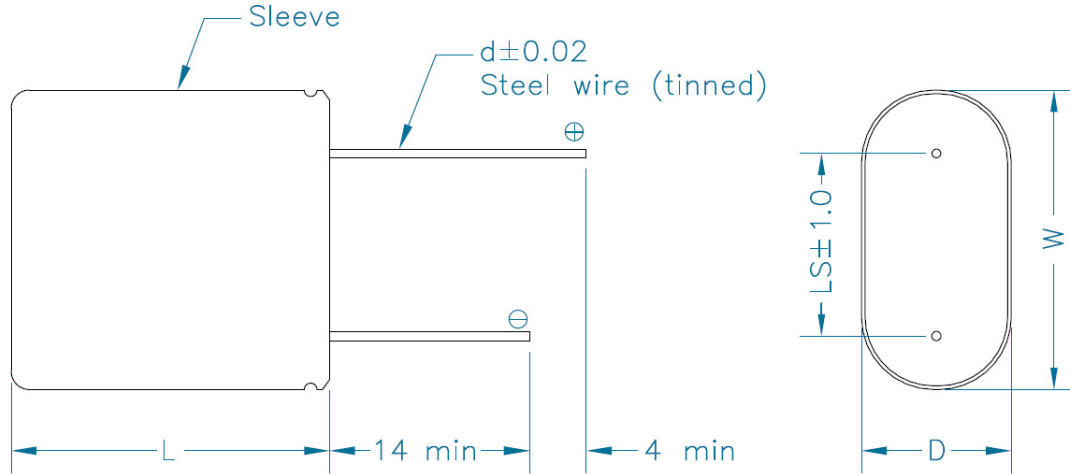


GENERAL SPECIFICATIONS

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 range	0.25F to 15F
Capacitance tolerance	-10/+20%
Rated voltage	5.4V/4.6V
Surge voltage	5.7V
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
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
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 1000 hours storage, at 70°C without load, the capacitor shall meet the specified endurance limits.

DIMENSIONS (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-0.25/5.4	0.25	5.4	3,600	1,400	0.08	9.5	15.5	18	0.6	12.0	0.36
PBL-0.5/5.4	0.50	5.4	1,400	630	0.08	9.5	15.5	18	0.6	12.0	0.79
PBL-0.75/5.4	0.75	5.4	820	380	0.08	9.5	17.5	18	0.6	12.0	1.25
PBL-1.0/5.4	1.00	5.4	700	360	0.09	9.5	19.5	18	0.6	12.0	1.59
PBL-1.65/5.4	1.65	5.4	580	300	0.18	11.5	23.5	22	0.6	12.0	2.28
PBL-2.0/5.4	2.00	5.4	500	300	0.19	11.5	23.5	22	0.6	15.4	2.70
PBL-2.5/5.4	2.50	5.4	320	180	0.19	11.5	23.5	22	0.6	15.4	3.75
PBL-3.0/5.4	3.00	5.4	260	140	0.19	11.5	23.5	22	0.6	15.4	4.55
PBL-4.0/5.4	4.00	5.4	200	120	0.19	11.5	28.5	22	0.6	15.4	6.00
PBL-5.0/5.4	5.00	5.4	170	120	0.20	11.5	33.5	22	0.6	15.4	7.30
PBL-11.0/5.4	11.00	5.4	90	60	0.58	13.5	38.5	26	0.8	18.2	14.92
PBL-15.0/5.4	15.00	5.4	70	50	0.62	17.5	34.5	34	0.8	24.1	19.76

PART NUMBER EXAMPLE

PBL	-	0.25	/	5.4
Type		Capacitance Code (F)		Voltage