


FEATURES

- Small size and low-resistance
- Quick charge & discharge
- JST ZHR-2 quick connect
- RoHS compliant
- UL recognized 

POWERBURST[®]
ULTRACAPACITORS

APPLICATIONS

- Pulse power demand
- Hybrid battery packs
- Portable Electronic Devices



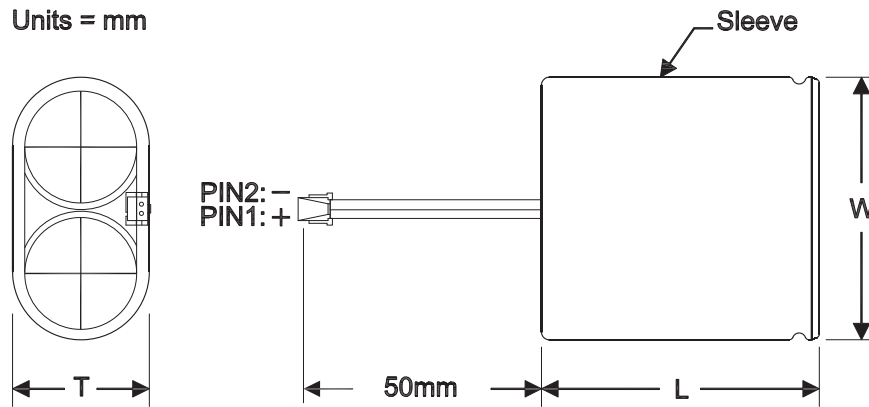
PART NUMBERING

Part Number Example: PBL-5.0/5.4				
PBL	-	5.0	/	5.4
Type		Capacitance Code (F)		Module Voltage

SPECIFICATIONS

Item	Performance		
Operating temperature	-40°C to +65°C		
Storage temperature	-40°C to +70°C		
Rated voltage	5.4 VDC		
Surge voltage	5.7 VDC		
Capacitance range	0.25F to 15F		
Capacitance tolerance	±20%		
Characteristics at low temperature	Capacitance Change	Within ±5% of initial measured value at +25°C(-40°C to +65°C)	
	Internal resistance	Within ±50% of initial measured value at +25°C(at -40°C)	
Lifetime at 25°C	10 years	Capacitance change	±30 % of initial rated value
		Internal resistance	Within 2 times of initial specified value
Cycle life at 25°C	500,000 cycles	Capacitance change	±30 % of initial rated value
		Internal resistance	Within 2 times of initial specified value
Endurance	After 1000 hours. application of 5.4V DC at 65°C, the capacitor shall meet the following limits:		
	Capacitance change	±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



STANDARD PRODUCTS

Part Numbers	CAP (F)	ESR/DC (m ohm)	ESR/AC 1 kHz (m ohm)	Leakage Current (mA/72 hrs)	Dimensions (mm)		
					L (max)	W (max)	T (max)
PBLL-0.25/5.4	0.25	3750	1450	0.08	18.0	19.0	9.5
PBLL-0.5/5.4	0.5	1450	680	0.08	18.0	19.0	9.5
PBLL-0.75/5.4	0.75	910	430	0.08	19.0	19.0	9.5
PBLL-1.0/5.4	1	810	430	0.09	21.0	19.0	9.5
PBLL-1.65/5.4	1.65	630	350	0.18	25.0	22.0	11.0
PBLL-2.0/5.4	2	460	260	0.19	25.0	22.0	11.0
PBLL-2.5/5.4	2.5	390	250	0.19	25.0	22.0	11.0
PBLL-3.0/5.4	3	310	190	0.19	25.0	22.0	11.0
PBLL-4.0/5.4	4	250	170	0.19	30.0	22.0	11.0
PBLL-5.0/5.4	5	200	150	0.20	35.0	22.0	11.0
PBLL-11/5.4	11	140	110	0.58	39.0	27.0	13.5
PBLL-15/5.4	15	120	100	0.62	37.0	35.0	17.5