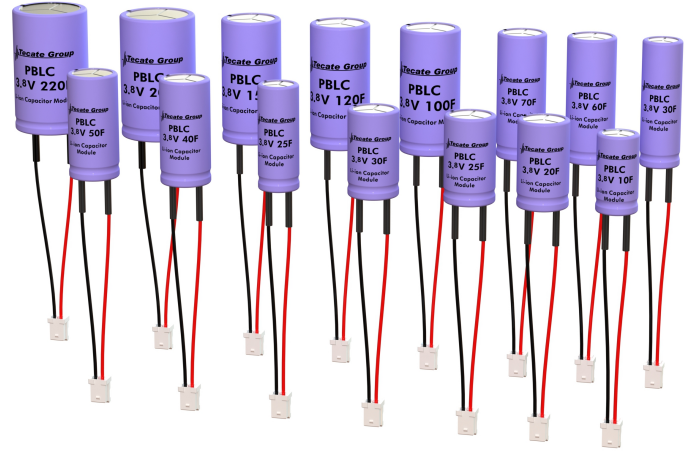


FEATURES

- Compact size and energy dense
- Higher voltage
- Quick charge and discharge
- UL recognized RoHS & Reach compliant
- Molex 87439-0200

APPLICATIONS

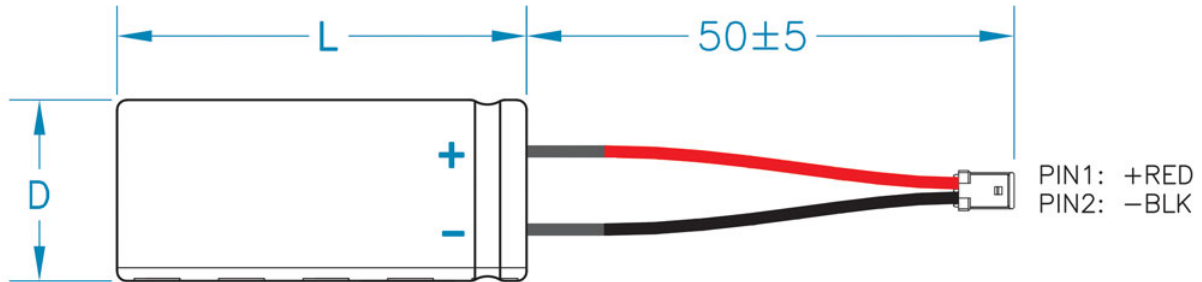
- Pulse power demand
- Ride thru power support
- Back up power
- Stand alone or augment existing energy/power source

















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 range	10F to 450F
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 ±800% of initial measured value at +25°C (at -15°C)
Endurance (At rated voltage & max. operating temp)	After 1000 hours: Capacitance change: ±30% of initial rated value Internal resistance: Within 2 times of initial specified value
Projected cycle life	After 500,000 cycles: From 3.8V to 2.5V at 25°C 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



STANDARD PRODUCTS

Part Number	UL	Nom. Cap. (F)	ESR AC (mΩ) (1 KHz)	ESR DC Typical (mΩ)	Leakage Current (mA)	Dimensions (mm)		Rated Current (A)	Max Current (A)	Weight/Unit (grams)
						D	L			
PBLC-3R8/10MA2		10	510	1510	0.001	8	14	0.05	0.5	2.34
PBLC-3R8/20MA2		20	310	550	0.001	10	16	0.15	2.2	2.54
PBLC-3R8/25MA2		25	280	520	0.001	10	16	0.15	2.3	2.64
PBLC-3R8/25MA28		25	310	660	0.001	8	20	0.13	0.8	2.64
PBLC-3R8/30MA2		30	270	510	0.001	10	16	0.15	2.4	2.74
PBLC-3R8/30MA28		30	260	710	0.001	8	25	0.15	0.9	2.74
PBLC-3R8/40MA2		40	250	460	0.002	10	20	0.3	2.7	3.24
PBLC-3R8/50MA2		50	245	455	0.002	10	20	0.3	2.8	3.44
PBLC-3R8/60MA2		60	120	255	0.002	10	25	0.35	3	4.04
PBLC-3R8/70MA2		70	115	250	0.002	10	25	0.35	3	4.24
PBLC-3R8/100MA2		100	100	220	0.003	12.5	25	0.6	3	5.84
PBLC-3R8/120MA2		120	95	210	0.003	12.5	25	0.6	3	6.04
PBLC-3R8/150MA2		150	90	205	0.005	12.5	25	0.6	3	6.64
PBLC-3R8/200MA2		200	80	110	0.005	16	25	1.1	3	10.04
PBLC-3R8/220MA2		220	75	105	0.005	16	25	1.1	3	10.44
PBLC-3R8/270MA2		270	65	100	0.013	18	40	2.25	3	14.24
PBLC-3R8/350MA2		350	60	100	0.013	18	40	2.25	3	16.44
PBLC-3R8/450MA2		450	60	100	0.013	18	40	2.25	3	18.44