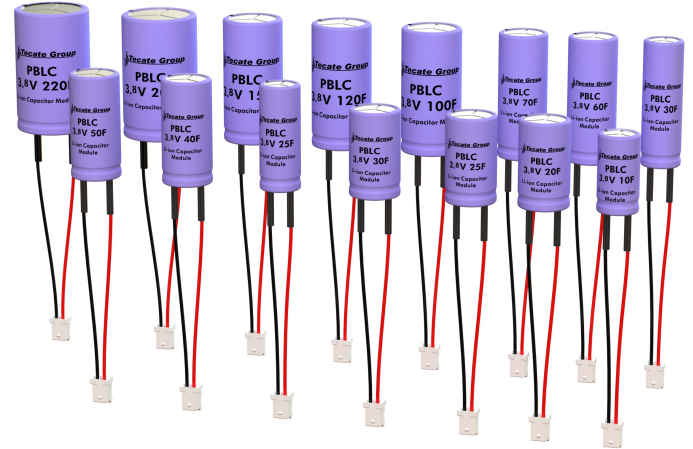


FEATURES

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

APPLICATIONS

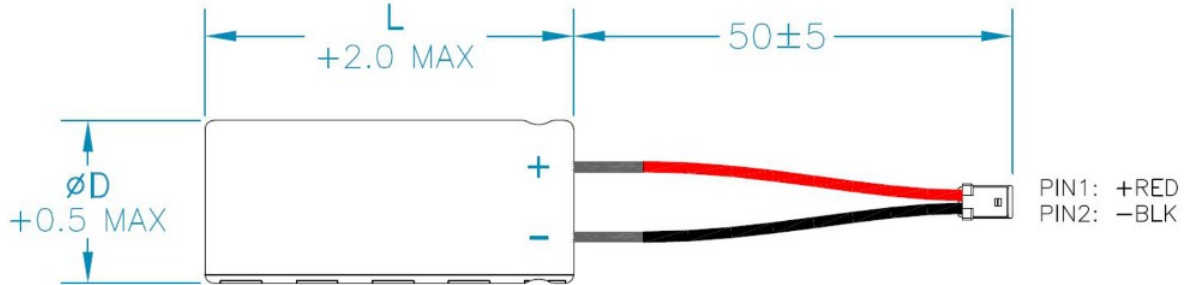
- Pulse power demand
- Ride thru power support
- Back up power
- Stand alone or augment existing energy/power source

















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	548	1548	0.001	8	14	0.05	0.5	2.34
PBLC-3R8/20MA2		20	348	588	0.001	10	16	0.15	2.2	2.54
PBLC-3R8/25MA2		25	318	558	0.001	10	16	0.15	2.3	2.64
PBLC-3R8/25MA28		25	348	698	0.001	8	20	0.13	0.8	2.64
PBLC-3R8/30MA2		30	298	598	0.001	10	16	0.15	2.4	2.74
PBLC-3R8/30MA28		30	298	748	0.001	8	25	0.15	0.9	2.74
PBLC-3R8/40MA2		40	288	498	0.002	10	20	0.3	2.7	3.24
PBLC-3R8/50MA2		50	283	493	0.002	10	20	0.3	2.8	3.44
PBLC-3R8/60MA2		60	158	293	0.002	10	25	0.35	3	4.04
PBLC-3R8/70MA2		70	153	288	0.002	10	25	0.35	3	4.24
PBLC-3R8/100MA2		100	138	258	0.003	12.5	25	0.6	3	5.84
PBLC-3R8/120MA2		120	133	248	0.003	12.5	25	0.6	3	6.04
PBLC-3R8/150MA2		150	128	243	0.005	12.5	25	0.6	3	6.64
PBLC-3R8/200MA2		200	118	148	0.005	16	25	1.1	3	10.04
PBLC-3R8/220MA2		220	113	143	0.005	16	25	1.1	3	10.44
PBLC-3R8/270MA2		270	103	138	0.013	18	40	2.25	3	14.24
PBLC-3R8/350MA2		350	98	138	0.013	18	40	2.25	3	16.44
PBLC-3R8/450MA2		450	98	138	0.013	18	40	2.25	3	18.44