

FEATURES

- Compact size and energy dense
- Higher voltage
- Quick charge and discharge
- RoHS & Reach compliant

APPLICATIONS

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

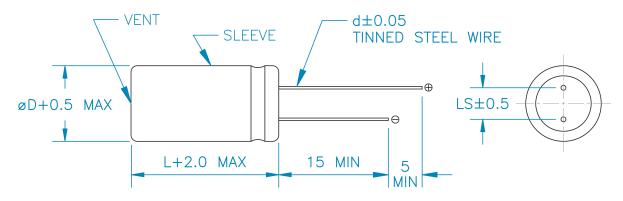


GENERAL SPECIFICATIONS

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	50F								
Capacitance tolerance	+/-20%								
Rated voltage	3.8 VDC / 3.5 VDC								
Minimum rated voltage	2.2 VDC								
Surge voltage	4.2 VDC								
	Capacitance change: Within ±50% of initial measured value at +25°C (-15°C to +70°C)								
Temperature characteristics	Internal resistance: Within ±800% of initial measured value at +25°C (at -15°C)								
Endurance	After 1000 hours:								
(At rated voltage & max. operating	Capacitance change: ±30% of initial rated value								
temp)	Internal resistance: Within 2 times of initial specified value								
Projected cycle life	After 500,000 cycles:								
(From rated voltage to 1/2 rated	Capacitance change: Within ±30 % of initial rated value								
voltage at 25°C)	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. ESR Cap. (mΩ) (F) (1 KHz)	AC	ESR DC Typical (mΩ)	Leakage Current (mA)	Dimensions (mm)				Rated Current	Max Current	Weight/Unit
			`(1 ´			D	L	d	LS	(A)	(A)	(grams)
TPLC-3R8/50MR10X20	91	50	235	445	0.002	10	20	0.6	5	0.3	2.8	3