

FEATURES

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

APPLICATIONS

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

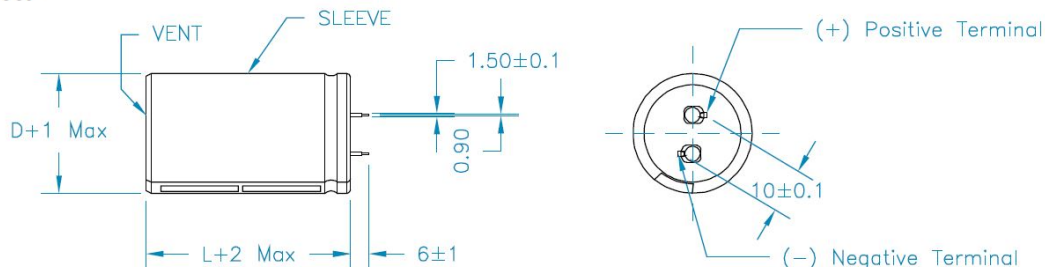


GENERAL SPECIFICATIONS

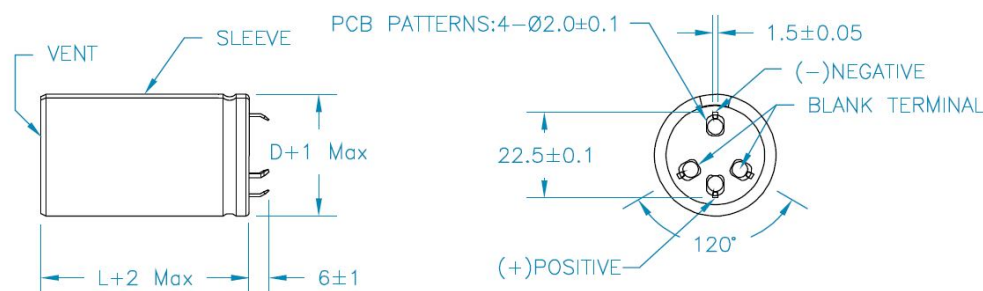
Item	Performance
Operating temperature	-40°C to +65°C @ 2.7V -40°C to +85°C @ 2.3V
Storage temperature	-40°C to +70°C
Capacitance range	100F to 400F
Capacitance tolerance	-10/+20%
Rated voltage	2.7V/2.3V
Surge voltage	2.85V
Temperature characteristics	Capacitance Change Within $\pm 5\%$ of initial measured value at +25°C(-40°C to +65°C) Internal resistance Within $\pm 50\%$ of initial measured value at +25°C(at -40°C)
Endurance (At rated voltage & max. operating temp)	After 1000 hours: Capacitance change: Within $\pm 30\%$ 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 $\pm 30\%$ 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 $\pm 30\%$ 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.

DIMMENSIONS (mm)

100F-300F



400F ONLY



STANDARD PRODUCTS

Part Number	Cap. (F)	ESR DC (mΩ)	ESR AC (mΩ) (1 KHz)	Leakage Current (mA) (72 hrs @ 25C)	Dimmensions (mm)		Max Peak Current (A)	Weight/Unit (grams)
					D	L		
TPLS-100/22X45F	100	15	9	0.26	22	45	54.00	25
TPLS-150/25X50F	150	14	8	0.50	25	50	65.32	35
TPLS-200/30X50F	200	14	8	0.60	30	50	71.05	42
TPLS-300/35X50F	300	14	8	0.80	35	50	77.88	60
TPLS-400/35X60F	400	12	5	1.20	35	60	93.10	72

PART NUMBER EXAMPLE

TPLS	-	100	/	22X45	F
Type		Capacitance Code (F)		Size (DxL)	RoHS Compliant