TYPE TPLS 2.7V

SNAP-IN ULTRACAPACITOR CELLS

FEATURES

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

APPLICATIONS

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

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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	100F
Rated voltage	2.7 VDC / 2.3 VDC
Surge voltage	2.85 VDC
Temperature characteristics	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)
Endurance (At rated voltage & max. operating temp)	After 1000 hours: Capacitance change: Within ±30% of initial rated value Internal resistance: Within 2 times of initial specified value
Projected Load life (At rated voltage & 25°C)	After 10 years: Capacitance change: No less than 30 % of rated value Internal resistance: Within 2 times of initial rated value
Projected cycle life (From rated voltage to 1/2 rated voltage at 25°C)	After 500,000 cycles: Capacitance change: No less than 30 % of rated value Internal resistance: Within 2 times of initial rated value
Shelf life	After 2 years at 25°C without load, the capacitor shall meet the specified endurance limits.

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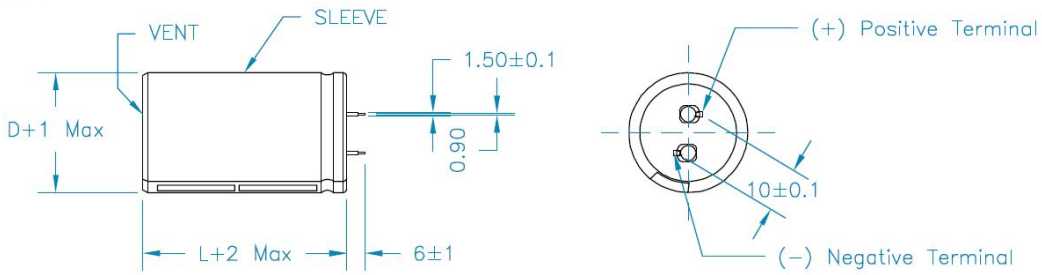
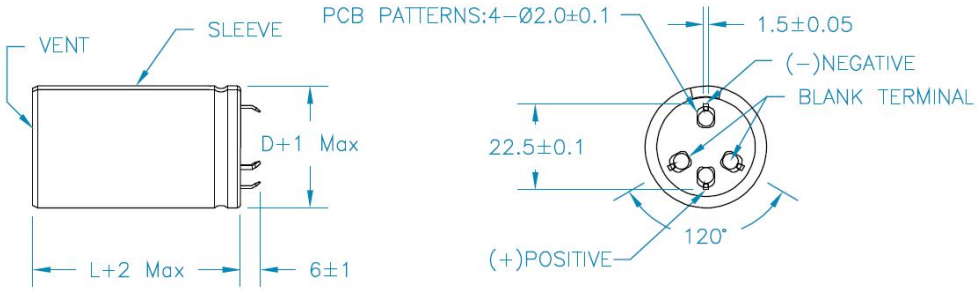
Spec. Date: 2026-06-30 21:55:19

DIMENSIONS

100F-300F



400F ONLY



STANDARD PRODUCTS

Part Number	Nom. Cap. (F)	GMV (F)*	ESR DC (mΩ)	ESR AC (mΩ) (1 KHz)	Leakage Current (µA) (72 hrs @ 25C)	Dimensions (mm)		Rated Current (A)	Weight/Unit (grams)
						D	L		
TPLS-100/22X45F	100	90	15	9	260	22	45	54	25

*NOTE: GMV = Guaranteed Minimum Value.

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