

FEATURES

- Over 500,000 duty cycles
- Extremely low ESR
- 10 year life capability
- Higher energy vs. electrolytic
- Higher power vs. batteries
- UL recognized
- RoHS compliant
- Halogen free
- Snap-In Termination



APPLICATIONS

- Peak power handling
- Industrial automation
- UPS/voltage hold up

Need a custom fit for your design? [Click here to get started.](#)

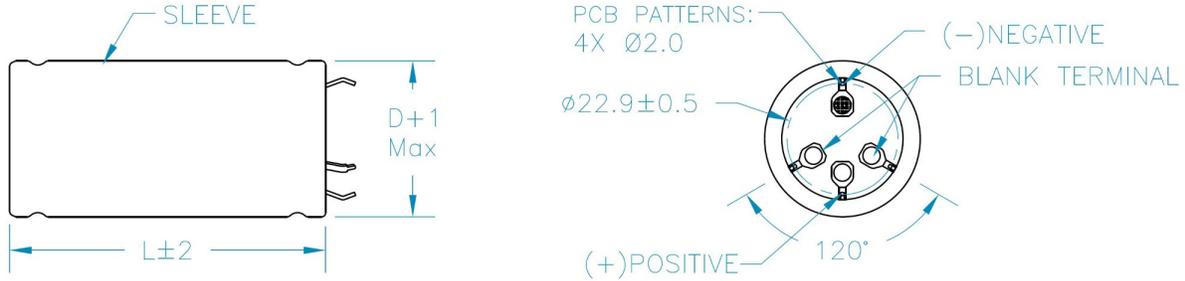
GENERAL SPECIFICATIONS

Item	Performance
Operating temperature	-40°C to +65°C @ 3V -40°C to +85°C @ 2.5V
Storage temperature	-40°C to +70°C
Capacitance	600F
Rated voltage	3 VDC / 2.5 VDC
Surge voltage	3.2 VDC
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 1500 hours: Capacitance change: Within $\pm 20\%$ of initial rated value Internal resistance: Within 2 times of initial specified value
Projected Load life (At rated voltage & 25°C)	10 years: Capacitance change: Within $\pm 20\%$ of initial rated value Internal resistance: Within 2 times of initial specified value
Projected cycle life (From rated voltage to 1/2 rated voltage at 25°C)	500,000 cycles: Capacitance change: Within $\pm 20\%$ of initial rated value Internal resistance: Within 2 times of initial specified value
Shelf life	After 4 years at 25°C without load, the capacitor shall meet the specified endurance limits.

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DIMENSIONS



STANDARD PRODUCTS

Part Number	Nom. Cap. (F)	GMV (F)*	ESR DC (m Ω)	ESR AC (m Ω)	Leakage Current (mA) (72 hrs @ 25C)	Dimensions (mm)		Rated Current (A)	Weight/Unit (grams)
						D	L		
TPLH-3R0/600SS35X71	600	600	3.2	3	1.5	35	71	300	90

*NOTE: GMV = Guaranteed Minimum Value.

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