

## FEATURES

- Extremely low ESR
- 10 year service life
- RoHS/REACH compliant
- Halogen Free
- UL recognized

## APPLICATIONS

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

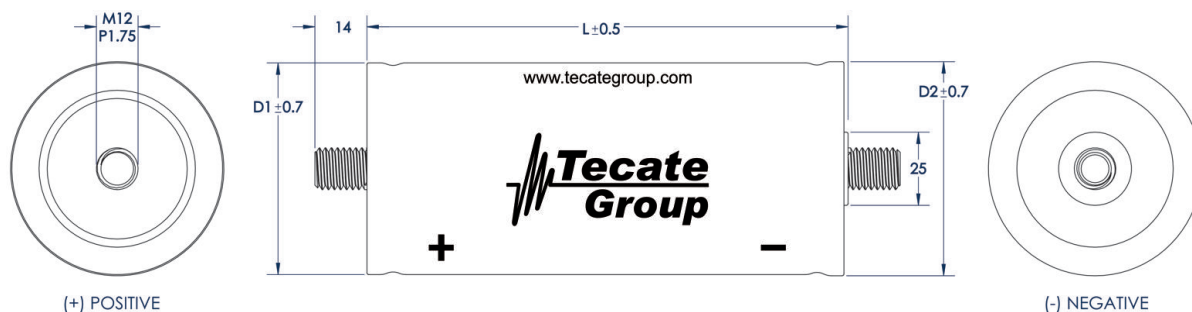


**Need a custom fit for your design? [Click here to get started.](#)**

## GENERAL SPECIFICATIONS

Item	Performance
Operating temperature	-40°C to +65°C
Storage temperature	-40°C to +70°C
Capacitance range	650F to 3,000F
Rated voltage	2.7 VDC
Surge voltage	2.85 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)	1,000,000 cycles between Vr and $\frac{1}{2}$ Vr: 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.

#### DIMENSIONS



#### STANDARD PRODUCTS

Part Number	Nom. Cap. (F)	GMV (F)*	ESR DC (mΩ)	ESR AC (mΩ)	Leakage Current (mA) (72 hrs @ 25C)	Dimensions (mm)			Rated Current (A)	Weight/Unit (grams)
						D1	D2	L		
TPLH-2R7/650SL60X51	650	650	0.6	0.35	1.5	60	60.7	51.5	470	210
TPLH-2R7/1200SL60X74	1200	1200	0.36	0.25	2.7	60	60.7	74	875	295
TPLH-2R7/1500SL60X85	1500	1500	0.31	0.27	3	60	60.7	85	1080	330
TPLH-2R7/2000SL60X102	2000	2000	0.3	0.21	4	60	60.7	102	1450	390
TPLH-2R7/3000SL60X138	3000	3000	0.26	0.17	5	60	60.7	138	2150	525

\*NOTE: GMV = Guaranteed Minimum Value.