

FEATURES

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



APPLICATIONS

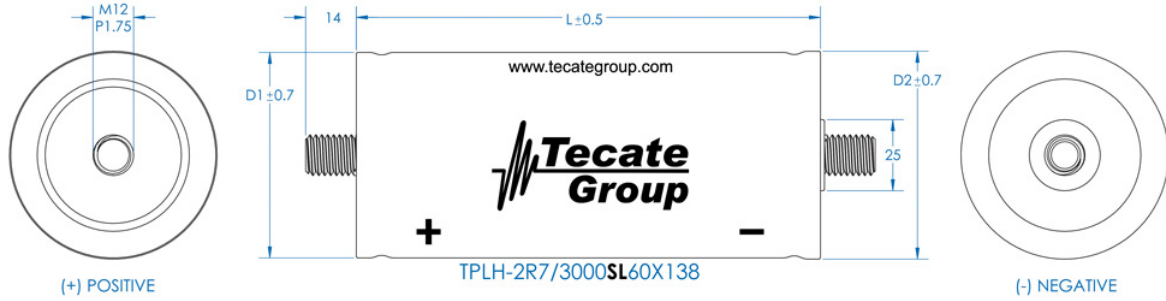
- Peak power handling
- Industrial automation
- UPS/voltage hold up



GENERAL SPECIFICATIONS

| Item | Performance |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature | -40°C to +65°C |
| Storage temperature | -40°C to +70°C |
| Capacitance | 650F |
| 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 | 590 | 210 |

*NOTE: GMV = Guaranteed Minimum Value.