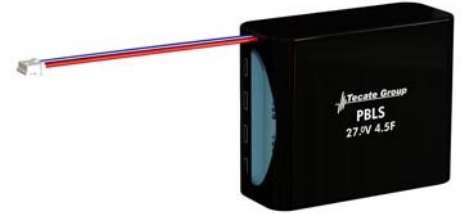


FEATURES

- Unique slim profile design
- 10KOhm Thermistor, Panasonic PN ERT-J1VG103FA or equivalent
- Passive linear voltage balanced cells
- Molex 87439-0400 connector
- Fast charge time
- Maintenance-free backup
- Green solution vs. batteries
- UL-recognized cells
- RoHS compliant



APPLICATIONS

- Automatic meter readers
- Automotive subsystems
- Backup power for safe shutdown requirements
- Battery-powered tools and handheld electronic devices
- Data deduplication
- Networking last gasp
- Medical devices
- Motor peak-power shaving
- RAID storage
- Servers
- SSD
- Solar-charged devices
- Wireless transmission

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

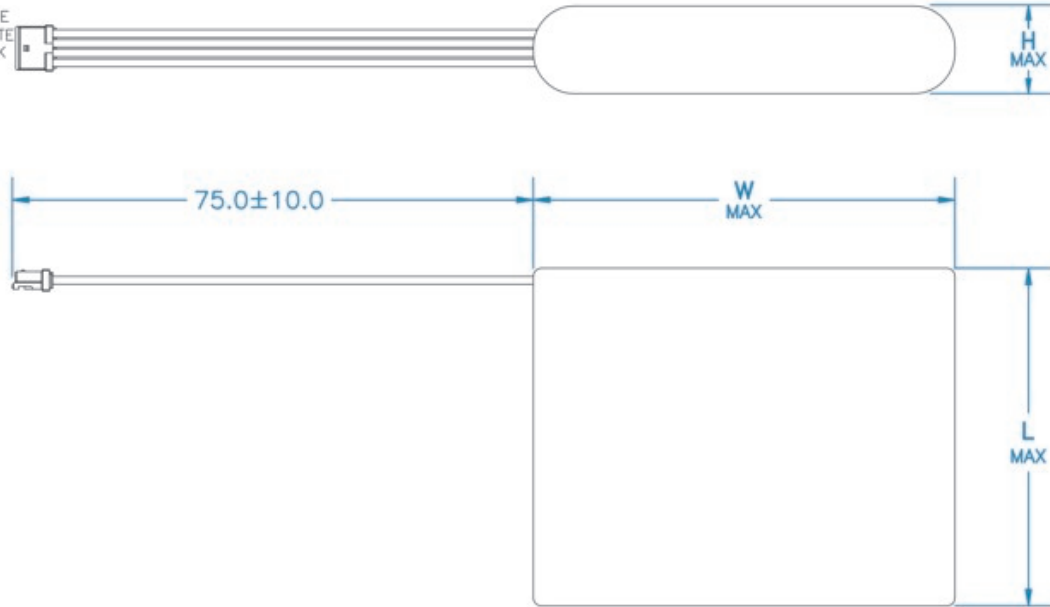
GENERAL SPECIFICATIONS

| Item | Performance |
|---|--|
| Operating temperature | -40°C to +65°C |
| Storage temperature | -40°C to +70°C |
| Capacitance | 4.5F |
| Rated voltage | 27 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 1000 hours: Capacitance change: Within $\pm 30\%$ 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: Within $\pm 30\%$ 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) | 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 4 years at 25°C without load, the capacitor shall meet the specified endurance limits. |

DIMENSIONS

UNITS = mm

PIN4: TEMP BLUE
PIN3: TEMP WHITE
PIN2: -IN BLACK
PIN1: +IN RED



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) |
|-------------|---------------|----------|-------------|-------------|-------------------------------------|-----------------|----|----|-------------------|---------------------|
| | | | | | | L | W | H | | |
| PBL5-4.5/27 | 4.5 | 4.05 | 300 | 270 | 1.52 | 53 | 66 | 27 | 26.88 | 94.35 |

*NOTE: GMV = Guaranteed Minimum Value.