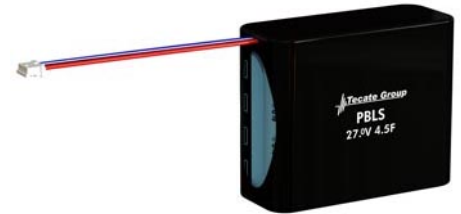


### FEATURES

- 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.](#)***

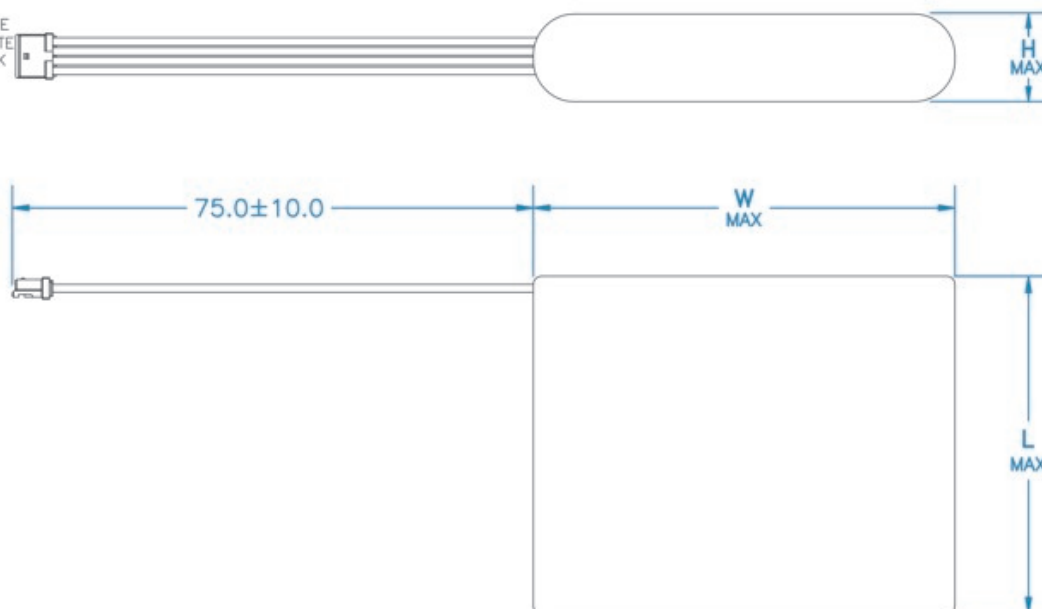
## GENERAL SPECIFICATIONS

| 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)<br>Internal resistance: Within $\pm 50\%$ of initial measured value at +25°C (at -40°C) |
| Endurance<br>(At rated voltage & max. operating temp)                     | After 1000 hours:<br>Capacitance change: Within $\pm 30\%$ of initial rated value<br>Internal resistance: Within 2 times of initial specified value                              |
| Projected Load life<br>(At rated voltage & 25°C)                          | After 10 years:<br>Capacitance change: Within $\pm 30\%$ of initial rated value<br>Internal resistance: Within 2 times of initial specified value                                |
| Projected cycle life<br>(From rated voltage to 1/2 rated voltage at 25°C) | After 500,000 cycles:<br>Capacitance change: Within $\pm 30\%$ of initial rated value<br>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  |                   |                     |
| PBLS-4.5/27 | 4.5           | 4.05     | 300         | 270         | 1.52                                | 53              | 66 | 27 | 26.88             | 94.35               |

\*NOTE: GMV = Guaranteed Minimum Value.