

FEATURES

- Unique slim profile design
- On-board 10k thermistor
- 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

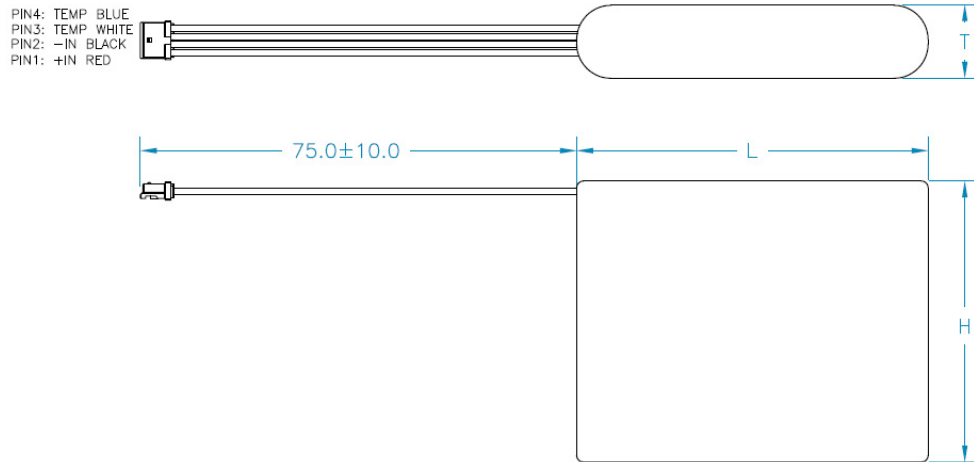
- Automatic meter readers
- Automotive subsystems
- Backup power for safe shutdown requirements
- Battery-powered tools and handheld electronic devices
- Data deduplication
- Networking last gasp
- Medical devices
- Motor peak-power shaving
- RAID storage
- Servers
- SSD
- Solar-charged devices
- Wireless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

GENERAL SPECIFICATIONS

Item	Performance
Operating temperature	-40°C to +65°C
Storage temperature	-40°C to +70°C
Capacitance	0.5F
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 2 years at 25°C without load, the capacitor shall meet the specified endurance limits.

DIMENSIONS

units = mm



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)
						L	H	T	
PBLS-0.5/27	0.5	0.45	1660	960	0.32	53	26	22	3.69

*NOTE: GMV = Guaranteed Minimum Value.