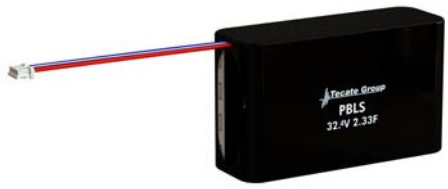
TYPE PBLS

UNIQUE SLIM-PROFILE ULTRACAPACITOR MODULES WITH ON-BOARD THERMISTOR AND MOLEX 87439-0400 CONNECTOR

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.

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GENERAL SPECIFICATIONS

Item	Performance
Operating temperature	-40°C to +65°C
Storage temperature	-40°C to +70°C
Capacitance	2.33F
Rated voltage	32.4 VDC
Temperature characteristics	Capacitance change: Within ±5% of initial measured value at +25°C(-40°C to +65°C) Internal resistance: Within ±50% of initial measured value at +25°C(at -40°C)
Endurance (At rated voltage & max. operating temp)	After 1000 hours: Capacitance change: Within ±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: No less than 30 % of rated value Internal resistance: Within 2 times of initial rated value
Projected cycle life (From rated voltage to 1/2 rated voltage at 25°C)	After 500,000 cycles: Capacitance change: No less than 30 % of rated value Internal resistance: Within 2 times of initial rated value
Shelf life	After 4 years at 25°C without load, the capacitor shall meet the specified endurance limits.

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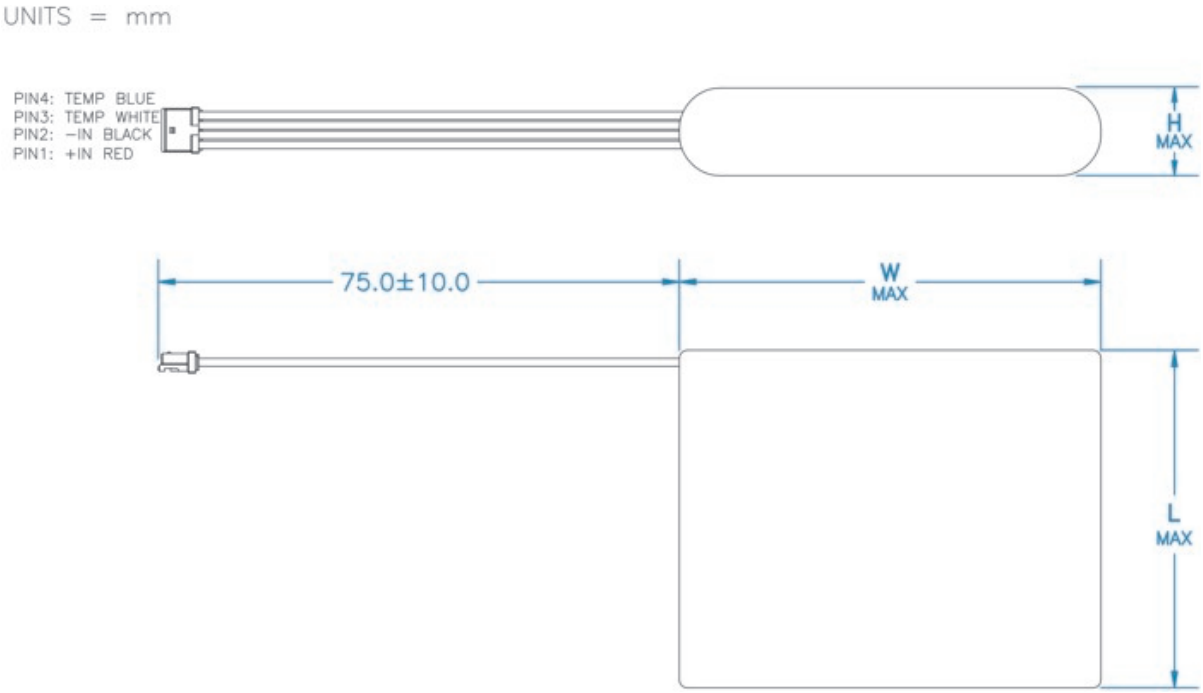
DIMENSIONS



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)
						L	W	H		
PBLS-2.33/32.4	2.33	2.1	516	360	1.41	46	79	27	17.15	91.63

*NOTE: GMV = Guaranteed Minimum Value.

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