

ULTRALIFE[®]Batteries

We. Are. Power.[™]

UBBP01 Technical Datasheet

The Ultralife Advantage

Better technology. Our lithium-based (lithium-manganese dioxide, lithium ion and lithium polymer) technologies enable us to design leading-edge power solutions for the world's most demanding applications.



FEATURES

- Common sizes
- Thin
- High energy density
- Wide operating temperature range
- Lightweight
- No memory effect
- Can be assembled into packs

APPLICATIONS

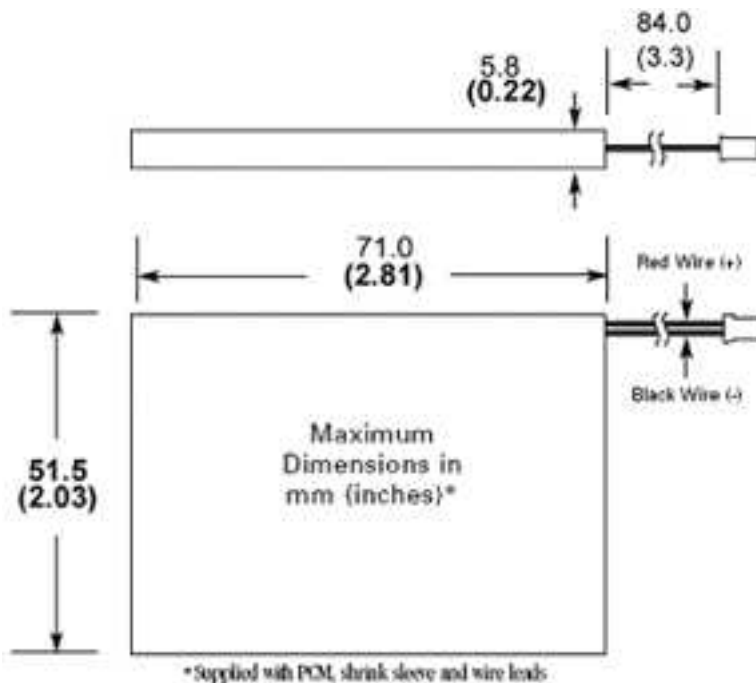
- Portable Electronics
- Medical Devices
- RFID Applications
- Tracking Applications

SPECIFICATIONS

Part No	UBBP01
Voltage Range	3.0 to 4.2 V
Nominal Voltage	3.7 V
Minimum Capacity	1.8 Ah @ C/5 Rate @ 23°C
Max. Discharge	C Rate continuous
Energy	6.8 Wh
Energy Density	148 Wh/kg, 400 Wh/l
Weight	46 grams
Cycle Life	> 500 cycles @ C/5 to 80% of initial capacity
Memory	No Memory Effect
Operating Temp	-20°C to 60°C
Storage Temp	-20°C to 45°C
Self-Discharge	< 10% per month
Exterior/Housing	PVC Shrink Wrap
Terminals/Connector	24 AWG Wire with JST P/N PHR02 connector: Pin 1 (-), Pin 2 (+). See note 2.
Safety	Meets UL1642 standard. Material Safety Datasheet – MSDS032.
Transportation	Excepted from Regulations – see note 1
Protection Circuit Module	Over Voltage Limit: 4.25 +/- 0.03 V Under Voltage Limit: 2.30 +/- 0.03 V Over Current Protection: 1.8 A – 3.0 A @ Room Temp. Max. Quiescent Drain: 100 µA
Charging	Maximum charge rate at C/2 to 4.2 Volts in a temperature range of 0° to 45°C. Hold at 4.2 Volts until current declines to C/10. Refer also to Safety Guide UBI-5112.

Note 1	For a complete description of transportation regulations and definitions of the transportation classifications "Excepted" and "Class 9," refer to the Ultralife web site at www.ultralifebatteries.com .
Note 2	Contact to housing is JST SPH-002T-PO.5S

DIMENSIONS



PERFORMANCE GRAPHS

