

ULTRALIFE® Batteries

We. Are. Power.™

UBP053048/PCM 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.



SPECIFICATIONS

Part No	UBP005
Voltage Range	3.0 to 4.2 V
Nominal Voltage	3.7 V
Minimum Capacity	740 mAh @ C/5 Rate @ 23°C
Max. Discharge	C Rate continuous
Energy	2.8 Wh
Energy Density	165 Wh/kg, 389 Wh/l
Weight	17 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: Red (+), Black (-)
Safety	Material Safety Datasheet – MSDS092.
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 – 3.0 A @ Room Temp. Max. Quiescent Drain: < 100 µA
Charging	Maximum charge rate at C 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.

FEATURES

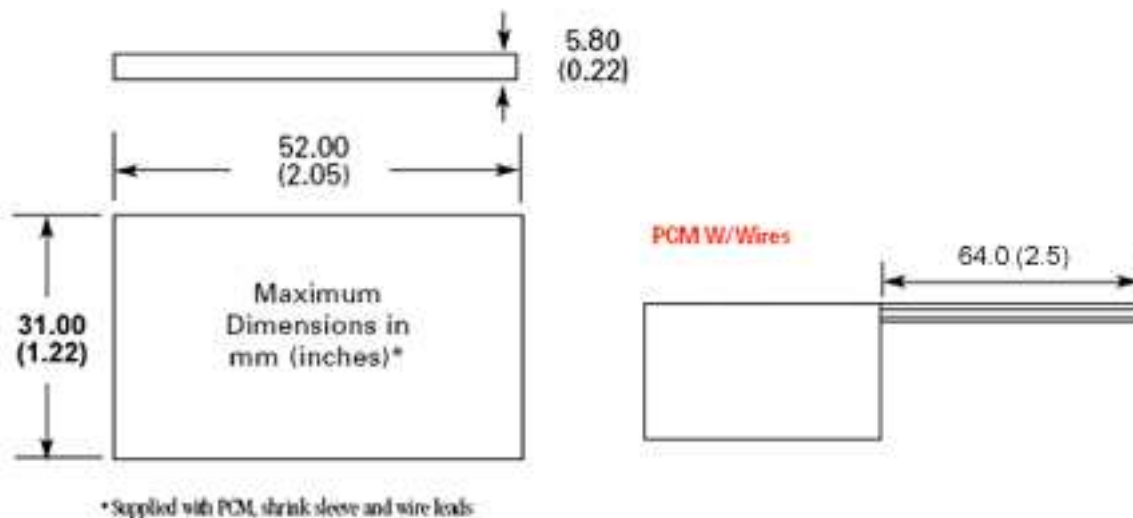
- Common sizes
- Thin
- High energy density
- Wide operating temperature range
- Lightweight
- No memory effect
- Can be assembled into packs

APPLICATIONS

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

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 .
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DIMENSIONS



PERFORMANCE GRAPHS

