

# ULTRALIFE<sup>®</sup>Batteries

We. Are. Power.™

## UBP363450/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

<b>Part No</b>	UBP004
<b>Voltage Range</b>	3.0 to 4.2 V
<b>Nominal Voltage</b>	3.7 V
<b>Minimum Capacity</b>	580 mAh @ C/5 Rate @ 23°C
<b>Max. Discharge</b>	C Rate continuous
<b>Energy</b>	2.2 Wh
<b>Energy Density</b>	147 Wh/kg, 359 Wh/l
<b>Weight</b>	15 grams
<b>Cycle Life</b>	> 500 cycles @ C/5 to 80% of initial capacity
<b>Memory</b>	No Memory Effect
<b>Operating Temp</b>	-20°C to 60°C
<b>Storage Temp</b>	-20°C to 45°C
<b>Self-Discharge</b>	< 10% per month
<b>Exterior/Housing</b>	PVC Shrink Wrap
<b>Terminals/Connector</b>	24 AWG Wire: Red (+), Black (-)
<b>Safety</b>	Material Safety Datasheet – MSDS092.
<b>Transportation</b>	Excepted from Regulations – see note 1
<b>Protection Circuit Module</b>	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
<b>Charging</b>	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

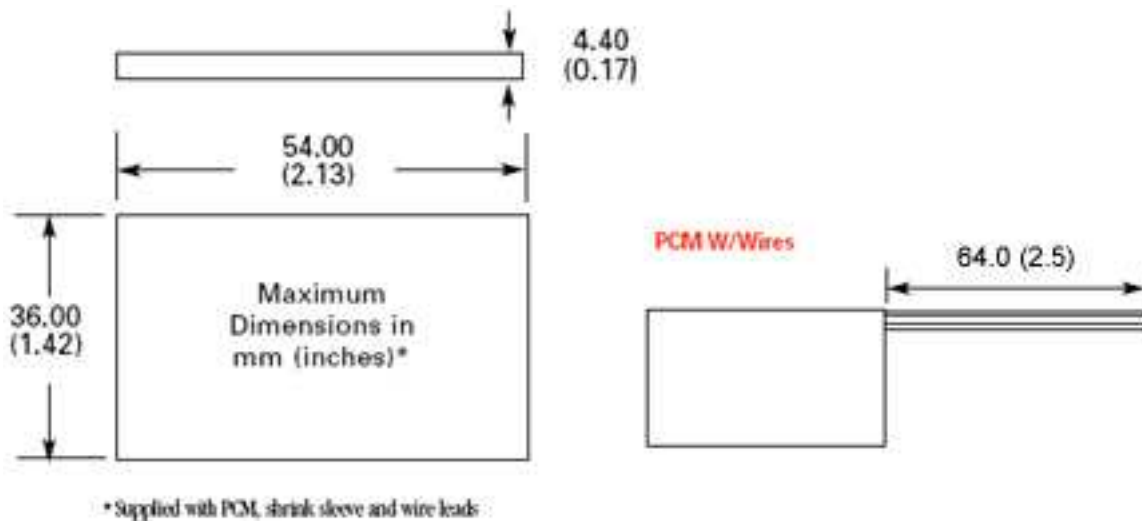
- Common sizes
- Thin
- High energy density
- Wide operating temperature range
- Lightweight
- No memory effect
- Can be assembled into packs

### APPLICATIONS

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

<b>Note 1</b>	For a complete description of transportation regulations and definitions of the transportation classifications "Excepted" and "Class 9," refer to the Ultralife web site at <a href="http://www.ultralifebatteries.com">www.ultralifebatteries.com</a> .
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## DIMENSIONS



## PERFORMANCE GRAPHS

