

ULTRALIFE[®]Batteries

We. Are. Power.[™]

UBC322030

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

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

APPLICATIONS

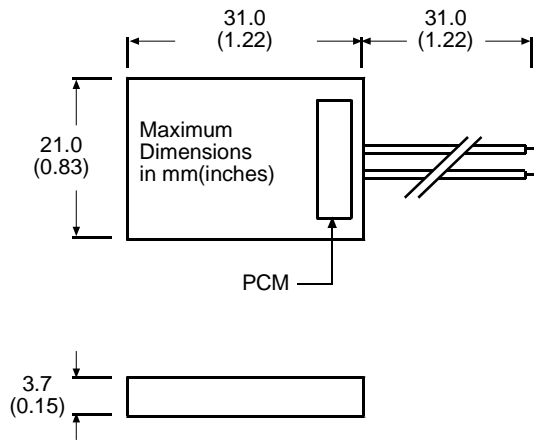
- Portable Electronics
- Medical Devices
- RFID Applications
- Tracking Applications

SPECIFICATIONS

Part No	UBC008
Voltage Range	3.0 to 4.2 V
Average Voltage	3.7 V
Nominal Capacity	120 mAh @ C/5 Rate @ 23° C
Max. Discharge	2C continuous
Energy	0.44 Wh
Energy Density	148 Wh/kg, 230 Wh/l
Weight	3.0 grams
Cycle Life	> 300 cycles @ C/5 to 80% of initial capacity
Memory	No Memory Effect
Operating Temp	-20° C to 60° C
Storage Temp	-20° C to 60° C
Self-Discharge	< 10% per month
Exterior/Housing	Laminated Foil
Terminals/Connector	30 AWG wire: Red (+), Black (-)
Safety	Material Safety Datasheet – MSDS014.
Transportation	Excepted from Regulations – see note 1
Protection Circuit Module	Over Voltage Limit: 4.28 +/- 0.03 V Under Voltage Limit: 2.3 +/- 0.10 V Over Current Protection: 2.0 A @ Room Temp. Max. Quiescent Drain: 6 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 .
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DIMENSIONS



PERFORMANCE GRAPHS

