

**ULTRALIFE**<sup>®</sup> Batteries

We. Are. Power.<sup>™</sup>

# UBC581730

## Technical Datasheet

### The Ultralife Advantage

Better technology. Our battery & charging technologies and power systems enable us to design leading-edge solutions for the world's most demanding applications.

### SPECIFICATIONS



### FEATURES

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

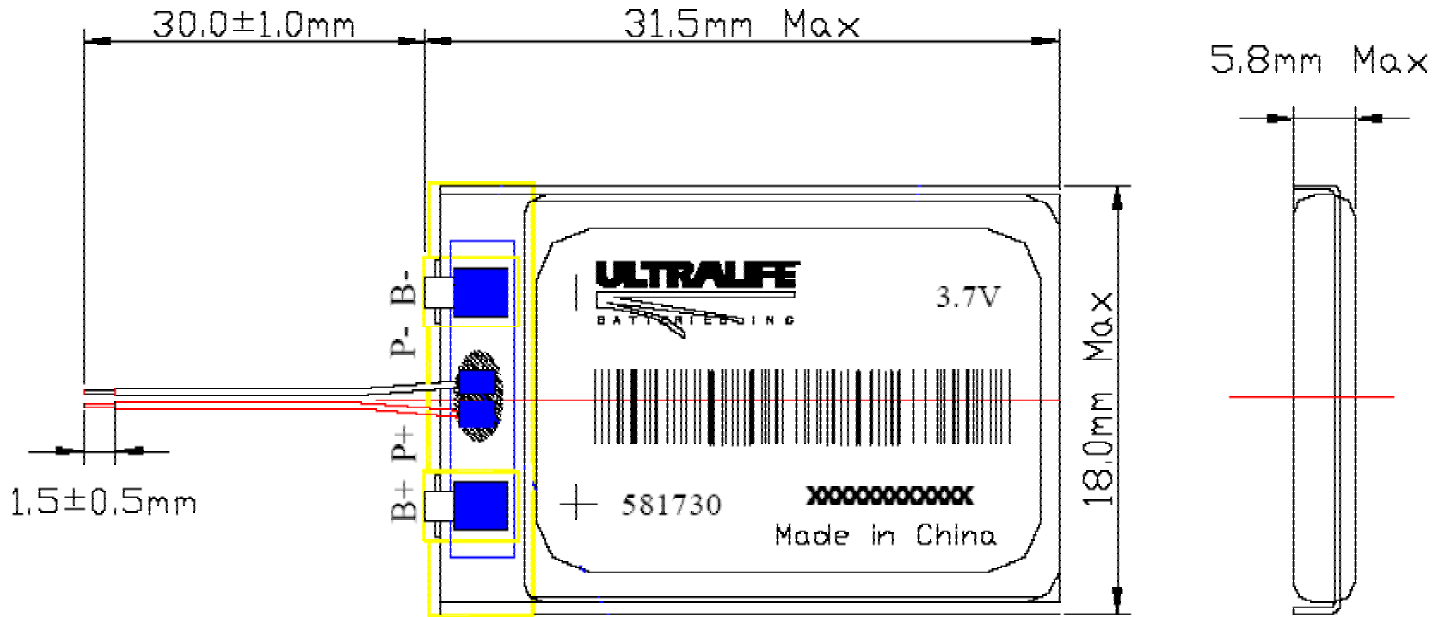
### APPLICATIONS

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

<b>Part No</b>	UBC005
<b>Voltage Range</b>	3.0 to 4.2 V
<b>Average Voltage</b>	3.7 V
<b>Minimum Capacity</b>	250 mAh @ C/5 Rate @ 23° C
<b>Max. Discharge</b>	1.5 C continuous
<b>Energy</b>	0.925 Wh
<b>Energy Density</b>	142 Wh/kg, 313 Wh/l
<b>Weight</b>	6.5 grams
<b>Cycle Life</b>	> 300 cycles @ C/5 to 80% of initial capacity
<b>Memory</b>	No Memory Effect
<b>Operating Temp</b>	-10° C to 45° C
<b>Storage Temp</b>	-20° C to 60° C
<b>Self-Discharge</b>	< 10% per month
<b>Exterior/Housing</b>	Laminated Foil
<b>Terminals/Connector</b>	30 AWG Wire: Red (+), Black (-)
<b>Safety</b>	Material Safety Datasheet – MSDS014.
<b>Transportation</b>	Excepted from Regulations – see note 1
<b>Protection Circuit Module</b>	Over Voltage Limit: 4.28 +/- 0.03 V Under Voltage Limit: 2.30 +/- 0.05 V Over Current Protection: 2.0 A – 5.0 A Max. Quiescent Drain: 10 µA
<b>Charging</b>	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.

<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> .
---------------	--

**DIMENSIONS**



**PERFORMANCE GRAPHS**

