

# CP502537: Thin Cell®

## Technical Datasheet



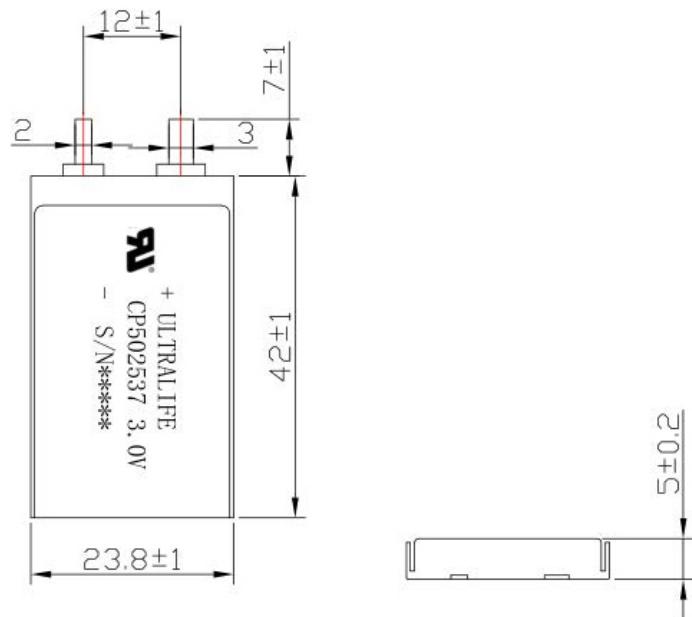
### Technical Specifications

<b>Part No</b>	CP502537
<b>Cell Type</b>	Primary, non-rechargeable
<b>Chemistry</b>	Lithium Manganese Dioxide
<b>Voltage Range</b>	1.5V to 3.3V
<b>Nominal Voltage</b>	3.0V
<b>Typical Capacity at 10mA</b>	1200mAh to 1.5V @ +23°C
<b>Max. Continuous Discharge</b>	150mA
<b>Max. Pulse Discharge<sup>1</sup></b>	Up to 300mA (life and temperature dependent)
<b>Energy Rating</b>	3600mWh
<b>Energy Density</b>	
Gravimetric	378Wh/Kg
Volumetric	640Wh/L
<b>Weight</b>	9.0g
<b>Lithium Metal Content</b>	0.47g
<b>Operating Temperature</b>	-20°C to +60°C
<b>Storage Temperature<sup>2</sup></b>	-40°C to +60°C
<b>Humidity</b>	65±20%RH
<b>Exterior/Housing</b>	Laminated aluminium foil
<b>Terminals/Connector</b>	Ni-stainless steel tabs (Ni-Ni optional)
<b>Size (maximums)</b>	Length: 43.0mm Width: 25.0mm Height: 5.2mm
<b>Certifications</b>	UL 1642 UN 38.3 IEC 60086-4
<b>Safety</b>	AL/MSDS-RD-004
<b>Transportation</b>	UN 3090 Dangerous Goods Class 9, Lithium Content >0.3g, <1.0g If packed in or with equipment (UN 3091), contact Ultralife for guidance or other questions. UN Testing Summary- UNTS-0064
<b>Quality Assurance</b>	Ultralife manufacturing facilities are ISO 9001 and ISO 13485 registered. Its products are listed under the Component Recognition Program of Underwriters Laboratories (UL) and have passed UN transportation testing, which is required for international transportation of all lithium batteries.

### Notes

1. Varies according to pulse characteristics, temperature, cell history and the application.  
Consult with Ultralife.
2. For a >5 years life, storage should not exceed +30°C.

## Dimensions



Unit: mm

## Performance Graphs

