

CP403838: Thin Cell

Technical Datasheet



Technical Specifications

Part No	CP403838 (U10004)	
Cell Type	Primary, non-rechargeable	
Chemistry	Lithium Manganese Dioxide	
Voltage Range	1.5V to 3.3V	
Nominal Voltage	3.0V	
Typical Capacity¹	1500mAh	
Max. Continuous Discharge	125mA	
Max. Pulse Discharge	Up to 250mA (life and temperature dependent) Varies according to pulse characteristics, temperature, cell history and the application. Consult ULTRALIFE China	
Energy Rating	4500mWh	
Weight	13.0g	
Operating Temperature	-20°C to +60°C	
Storage Temperature²	-40°C to +60°C	
Humidity	65±20%RH	
Exterior/Housing	Laminated aluminium foil	
Terminals/Connector	Ni-stainless steel tabs (Ni-Ni optional)	
Size (maximums)	Length:	48.0mm
	Width:	44.5mm
	Height:	4.4 mm
Certifications	UL 1642 UN 38.3	
Safety	AL/MSDS-RD-004	
Transportation³	Dangerous Goods Class 9: Miscellaneous UN3090 Air shipment: Packing Instruction 968, Section IB	
Quality Assurance	Ultralife manufacturing facilities are ISO 9001:2015, ISO 14001:2015 and ISO13485:2016 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. Discharged using 10mA to 1.5V @ +23°C.
2. For a >5 years life, storage should not exceed +30°C.
3. For shipments by air that are no more than 8 cells and 1 package, this cell is Excepted Dangerous Goods and can be shipped under Packing Instruction 968, Section II.

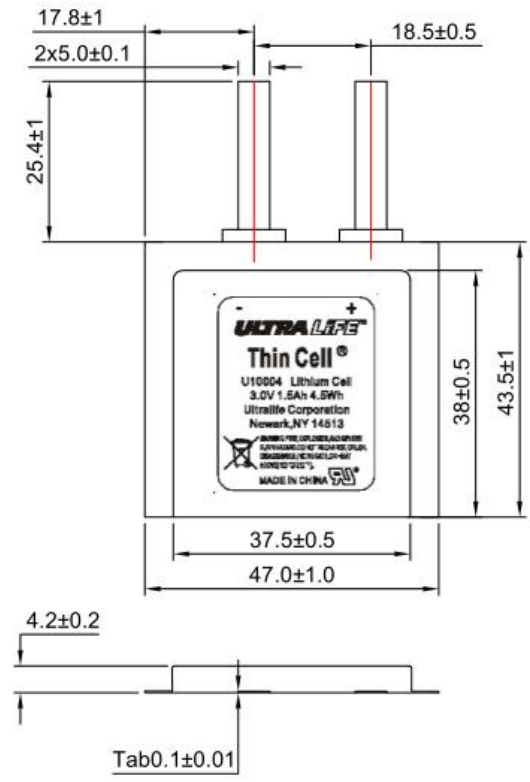
Features

- Flat discharge curve
- High power and higher energy for the whole battery life
- Long shelf life
- Low self-discharge rate (less than 1% after 1 year of storage at +20°C)
- High energy density
- Wide operating temperature range
- Lightweight

Applications

- “Smart” security cards
- Asset tracking tags
- Bank theft tracking systems
- Electronics record tracking systems
- Medical devices
- RF

Dimensions



Unit: mm

Performance Graphs

