

CP114951: Thin Cell

Technical Datasheet



Technical Specifications

Part No	CP114951	
Cell Type	Primary, non-rechargeable	
Chemistry	Lithium Manganese Dioxide	
Voltage Range	1.5V to 3.3V	
Nominal Voltage	3.0V	
Typical Capacity at 2mA	380mAh to 1.8V @ +23°C	
Max. Continuous Discharge	50mA	
Max. Pulse Discharge¹	Up to 100mA (life and temperature dependent)	
Energy Rating	1140mWh	
Energy Density		
Gravimetric	285Wh/Kg	
Volumetric	Pending	
Weight	4.0g	
Lithium Metal Content	0.11g	
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:	51.0mm
	Width:	48.75mm
	Height:	1.10mm
Certifications	UL 1642 UN 38.3	
Safety	AL/MSDS-RD-004	
Transportation³	Excepted Dangerous Goods UN3091: Packed with or contained in equipment Air Shipment: Packing Instruction 969 or 970, Section II UN3090: Bulk shipment Air shipment: Packing Instruction 968, Section II	
Quality Assurance	Ultralife manufacturing facilities are ISO 9001:2008 and ISO 14001:2004 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.	

Features

- Flat discharge curve
- High power and higher energy for the whole battery life
- Long shelf life
- Low self-discharge rate (less than 2% after 1 year of storage at +20°C)
- High energy density
- Wide operating temperature range
- Lightweight

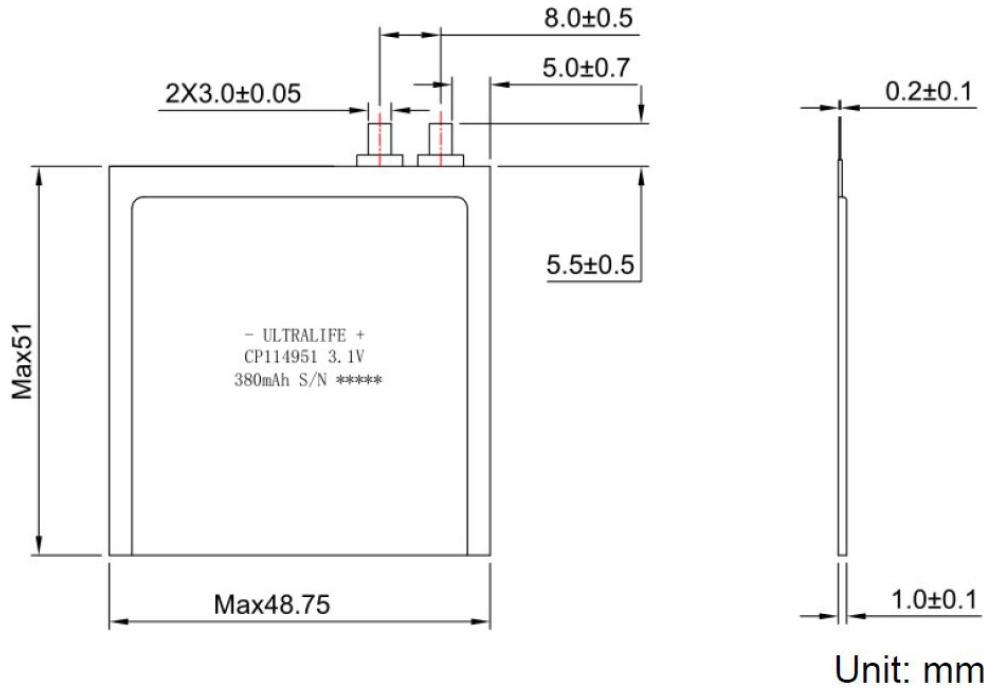
Applications

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

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



Performance Graphs

