

CP124920: Thin Cell

Technical Datasheet



Technical Specifications

Part No	CP124920	
Cell Type	Primary, non-rechargeable	
Chemistry	Lithium Manganese Dioxide	
Voltage Range	1.5V to 3.3V	
Nominal Voltage	3.0V	
Typical Capacity¹	165 mAh	
Max. Continuous Discharge	15 mA	
Max. Pulse Discharge	Up to 30mA (life and temperature dependent)	
Energy Rating	495mWh	
Energy Density		
Gravimetric	291Wh/kg	
Volumetric	420Wh/L	
Weight	1.7g	
Operating Temperature	-20°C to +60°C	
Storage Temperature²	-40°C to +60°C	
Exterior/Housing	Laminated aluminium foil	
Terminals/Connector	Ni-stainless steel tabs (Ni-Ni optional)	
Size (maximums)	Length:	20.0mm
	Width:	48.75mm
	Height:	1.25mm
Certifications	UL 1642 UN 38.3	
Safety	AL/MSDS-RD-006	
Transportation	Excepted Dangerous Goods UN3090 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

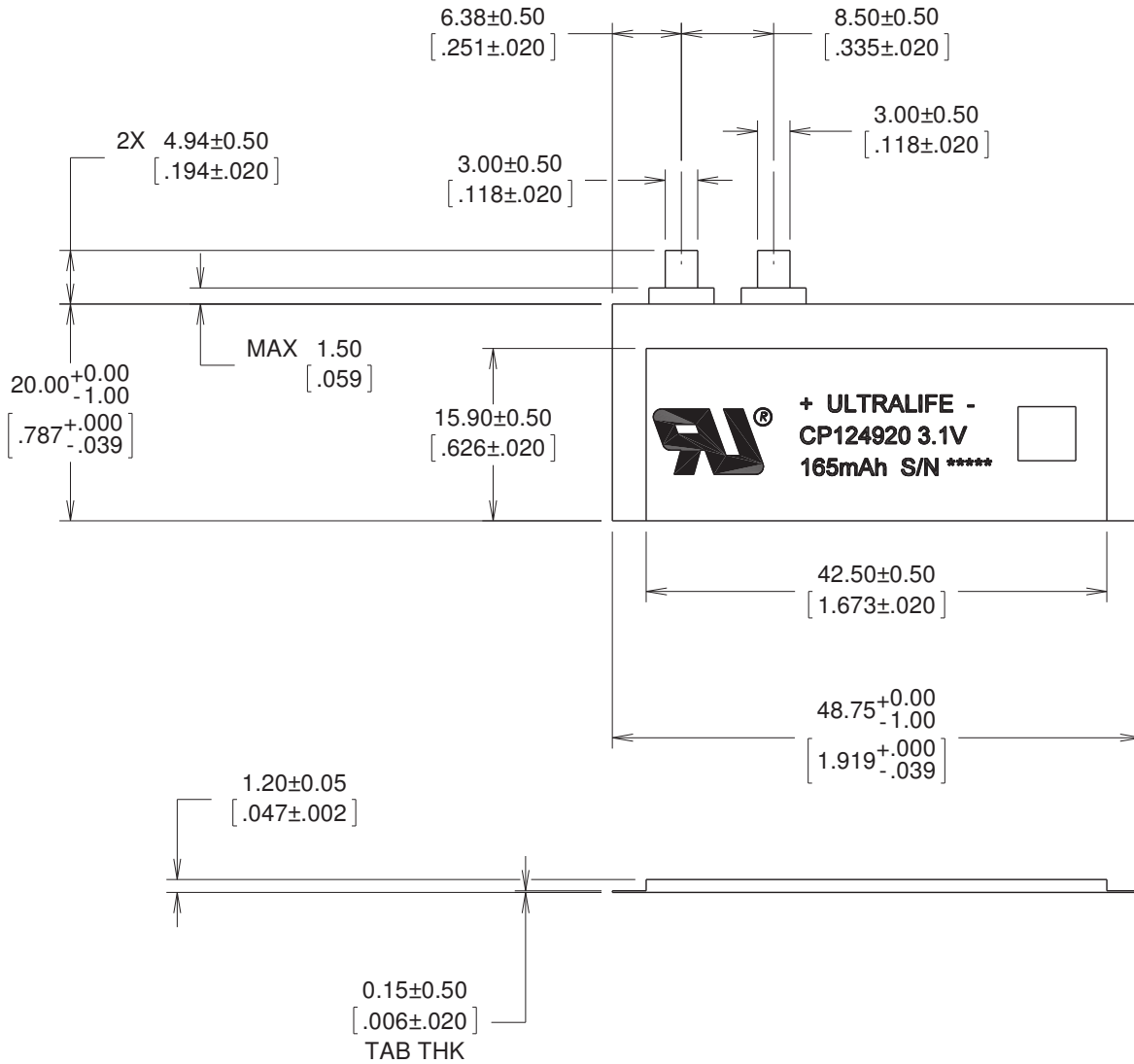
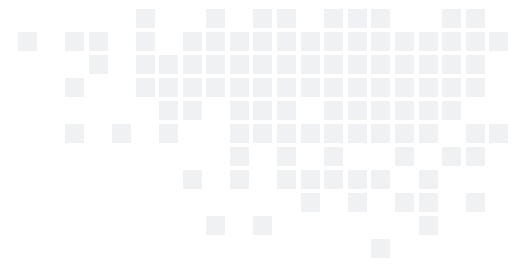
Applications

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

Notes

1. Discharged using 1mA to 1.5V @ +23°C
2. For a >5 years life, storage should not exceed +30°C.

Dimensions



Performance Graphs

