

CR17505

Technical Datasheet



Technical Specifications

Part No	CR17505
Cell Type	Primary, non-rechargeable
Chemistry	Lithium / manganese dioxide
Voltage Range	1.5V to 3.3V
Nominal Voltage	3.0V
Typical Capacity¹	2300mAh
Max. Continuous Discharge	1500mA
Max. Pulse Discharge	Up to 3000mA for up to 15 seconds @ 50% SoC (life and temperature dependent)
Energy Rating	6.9Wh
Weight	26g
Operating Temperature	-40°C to 80°C
Storage Temperature²	-20°C to 45°C
Humidity	65 ± 20%
Exterior/Housing	Elastomeric wrapped, Ni plated stainless steel
Terminals/Connector	SS nub and Ni flat contacts
Size (maximums)	Length: 50.5mm Diameter: 17.0mm
Certifications	UL 1642 (file no. MH30127) UN 38.3
Safety	This battery can contain a Positive Temperature Coefficient (PTC) safety device to limit current during short circuit conditions if needs.
Transportation³	Excepted Dangerous Goods UN3091: Packed with or contained in equipment Air Shipment: Packing Instruction 969 and 970, Section I Class 9 Dangerous Goods UN3090: Bulk shipment Air shipment: Packing Instruction 968, Section IB
Quality Assurance	Ultralife manufacturing facilities are ISO 9001:2015 and ISO 13485:2016 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

- Discharged using a 10mA load to 2.0V @ 23°C.
- Cells should be stored in temperatures less than 30°C for a shelf-life of ten years.
Recommended Storage Conditions: Temperatures 5°C to 35°C and humidity <70% RH (to prevent self-discharge caused by corrosion or decrease of insulation).
- For bulk shipments by air that are no more than eight cells and one package, this cell is Excepted Dangerous Goods and can be shipped under Packing Instruction 968, Section II.

Features

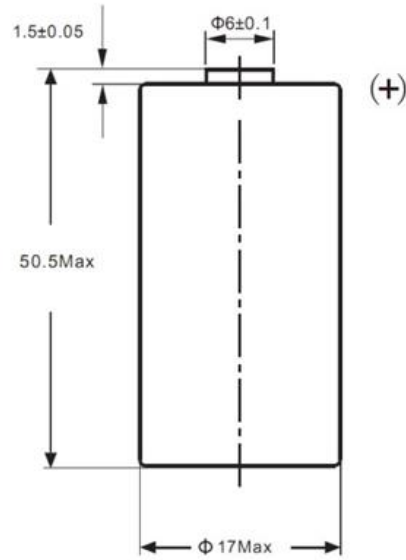
- Lightweight cells with stable output voltages
- High energy density
- Superior drain capacity
- Low self-discharge (less than 2% after 1 year of storage at 20°C)
- High reliability

Typical Applications

- Radio communication and other military applications
- Metering systems
- GPS
- Internet of Things (IoT) device
- Others



Dimensions



Unit:mm

Performance Graphs

