

UHR-ER14505-X: AA size spiral cell (Generation X)

Technical Datasheet

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Technical Specifications	
Part No	UHR-ER14505-X
Model No	ER14505M-X
Cell Type	Primary, non-rechargeable
Chemistry	Lithium Thionyl Chloride
Voltage CCV	3.4 to 3.0V (temperature and load dependent)
Open Circuit Voltage	3.65V
Nominal Capacity at 1mA	2000mAh to 2.0V @ +23°C
Capacity Range	1400 - 2000mAh 0–60°C (temperature and load dependent)
Max. Constant Discharge Current	212mA
Pulse Capability ¹	Up to 800mA, 1.0 second pulse
Weight	19g
Lithium Metal Content	0.59g
Operating Temperature ²	-55°C to +85°C ³
Storage Temperature	+30°C max., store at ≤ 20°C to minimize passivation and self-discharge
Exterior/Housing	304 stainless steel
Terminals/Connector	Button cap, radial tabs, radial pins, axial leads, flying leads, wire. Custom termination available
Protection	PTC anti-short-circuit device
Safety	UL 1642 UN 38.3 (transportation) (technician replaceable)
Transportation	Excepted Dangerous Goods UN 3091: Packed with or contained in equipment Air Shipment: Packing Instruction 969 and 970, Section I Class 9 Dangerous Goods UN 3090: Bulk shipment Air shipment: Packing Instruction 968, Section IB
Notes	- Varies according to pulse characteristics, temperature, cell history and the application. Consult Ultralife for exact performance under your pulse load. - Operation at extreme ranges (temperature or current) may lead to reduced capacity and lower voltage readings at beginning of pulses. Consult with Ultralife for your application. - Exceeding the maximum temperature rating of +85°C may cause cell leaks, excessive expansion of case hardware, and / or decomposition of case shrink wrap.

Features

- High and stable operating voltage
- Superior current capability
- Low self-discharge rate (less than 2% after 1 year of storage at +23°C)
- Hermetic glass-to-metal seal
- Non-flammable, non-heavy metal electrolyte
- Finished product with PTC for safety
- Laser welded can seal

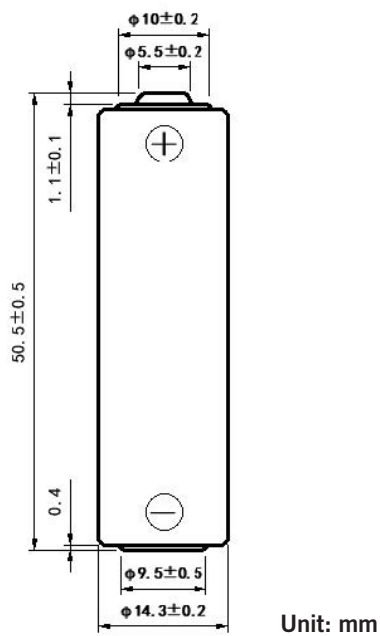
Applications

- Utility metering
- Radio communication and other military applications
- Alarms and security systems
- Transmitters
- GPS
- LED lighting applications
- Pulse discharge
- Sensors

Replacement For

- LSX14500
- TL2100
- SW-AA02

Dimensions



Performance Graphs

