

UHE-ER14505-X: AA size bobbin cell (Generation X)

Technical Datasheet



Technical Specifications

Part No	UHE-ER14505-X
Model No	ER14505-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	2400mAh to 2.0V @ 23°C
Capacity Range	1400 - 2000mAh 0–60°C (temperature and load dependent)
Max. Constant Discharge Current	48mA
Pulse Capability ¹	Up to 200mA, 1.0 second pulse
Weight	18g
Lithium Metal Content	0.66g
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
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

Note(s)

- 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 1% after 1 year of storage at 23°C)
- Hermetic glass-to-metal seal
- Non-flammable, non-heavy metal electrolyte
- Laser welded can seal

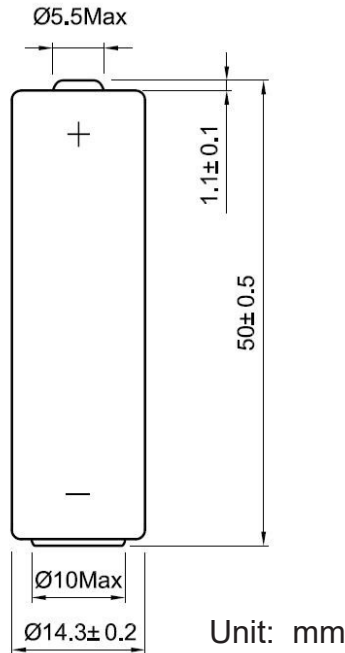
Applications

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

Replacement For

- LSX14500
- LST14500
- LS14500C
- TL5903
- SB-AA11

Dimensions



Performance Graphs

