



# UHR-ER14505-X: AA size spiral cell construction

## Technical Datasheet



Specifications	
Part Number	UHR-ER14505-X
Equivalent Models	LSX14500/TL2100/SW-AA02
Voltage CCV	3.4 to 3.0 V depending on load
Open circuit voltage	3.65 V
Nominal Capacity at 1 mA	2000 mAh to 2.0 V @ 23° C
Capacity Range	1400 – 2000 mAh 0 – 60 °C depending on load
Max. Constant Discharge Current	212 mA
Pulse Capability	Up to 800 mA. Varies according to pulse characteristics, temperature, cell history and the application. Consult Ultralife for exact performance under your pulse load.
Operating Temp Range continuous Discharge	-55 °C to 85 °C. 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.
Storage Temp	30° C MAX. Store at ≤ 20 °C to minimize passivation and self-discharge
Exterior/Housing	304 stainless steel
Terminals/Connector available	Button Cap, Radial tabs, radial pins, axial leads, flying leads, wire. Custom termination available.
Safety	UN38.3/UL1642, PTC anti-short-circuit device
Transportation	Excepted from Regulations – see note 1
Mass	19 g
Lithium Metal Content	0.59 g
Case Expansion at Temperature	-55 °C to 85 °C 85° C for 100% of discharge. 1.3 mm length max case expansion.
Note 1	UN 3090, UN3091 for a complete description of transportation regulations and definitions of the transportation classifications "Excepted" and "Class 9," refer to the Ultralife web site at <a href="http://www.ultralifecorporation.com">www.ultralifecorporation.com</a> .

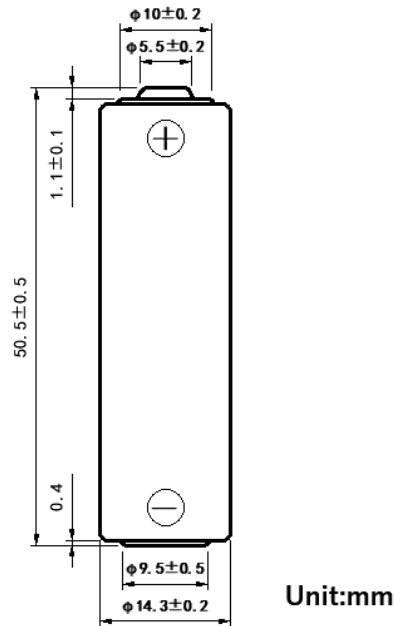
### Features

- 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

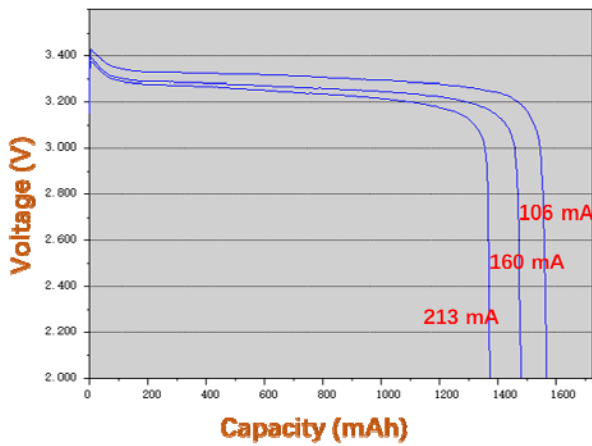
- Radio communication and other military applications
- Alarms and security systems
- Transmitters
- GPS
- LED lighting applications
- Pulse Discharge
- Sensors
- Other high current application

## Dimensions



## Typical Performance Graphs

RT Capacity test at different rates



Pulse 59.0 s 50 mA 1.0 s 250 mA at 25 °C to 2.0 V

