

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

## Technical Datasheet



### Features

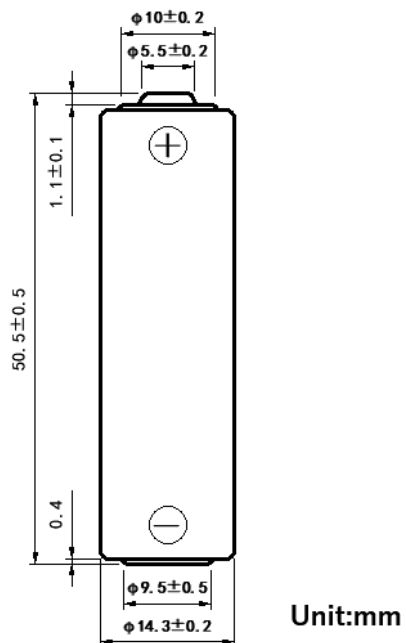
- High and stable operating voltage
- Superior current capability
- Low self-discharge rate (less than 2% after 1 year of storage at 23°C)
- Hermetic glass-to-metal seal
- Non-flammable Non-Heavy metal electrolyte
- Finished product with PTC for safety
- Laser welded can seal

### Applications

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

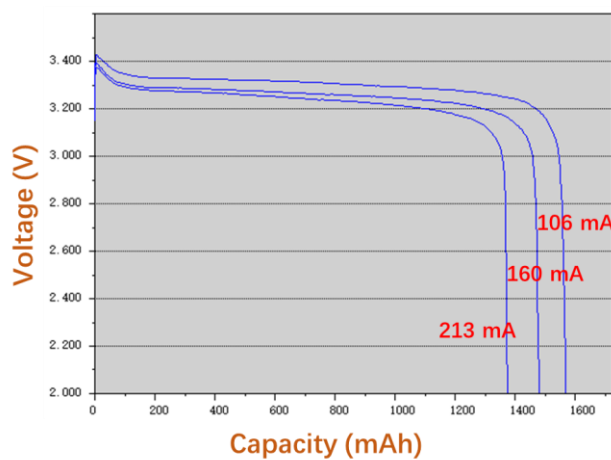
Specifications	
Part Number	UHR-ER14505-X
Equivalent Models	LSX14500/TL2100/SW-AA02
Voltage CCV	3.4 to 3.0 V depending on load
Open circuit voltage	3.65 V
Nominal Capacity at 1 mA	2000 mAh to 2.0 V @ 23° C
Capacity Range	1400 – 2000 mAh 0 – 60 °C depending on load
Max. Constant Discharge Current	400 mA
Pulse Capability	Up to 800 mA 0.1s/2min. 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> .

## 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

