

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

## Technical Datasheet



### Technical Specifications

<b>Part No</b>	UHE-ER14505-X
<b>Model No</b>	ER14505-X
<b>Cell Type</b>	Primary, non-rechargeable
<b>Chemistry</b>	Lithium Thionyl Chloride
<b>Voltage CCV</b>	3.4 to 3.0V (temperature and load dependent)
<b>Open Circuit Voltage</b>	3.65V
<b>Nominal Capacity at 1mA</b>	2400mAh to 2.0V @ 23°C
<b>Capacity Range</b>	1400 - 2000mAh 0–60°C (temperature and load dependent)
<b>Max. Constant Discharge Current</b>	48mA
<b>Pulse Capability<sup>1</sup></b>	Up to 200mA, 1.0 second pulse
<b>Weight</b>	18g
<b>Lithium Metal Content</b>	0.66g
<b>Operating Temperature<sup>2</sup></b>	-55°C to 85°C <sup>3</sup>
<b>Storage Temperature</b>	30°C max., store at ≤ 20°C to minimize passivation and self-discharge
<b>Exterior/Housing</b>	304 stainless steel
<b>Terminals/Connector</b>	Button cap, radial tabs, radial pins, axial leads, flying leads, wire. Custom termination available
<b>Safety</b>	UL 1642 UN 38.3 (transportation) (technician replaceable)
<b>Transportation</b>	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)

1. Varies according to pulse characteristics, temperature, cell history and the application. Consult Ultralife for exact performance under your pulse load.
2. 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.
3. Exceeding the maximum temperature rating of 85°C may cause cell leaks, excessive expansion of case hardware, and / or decomposition of case shrink wrap.

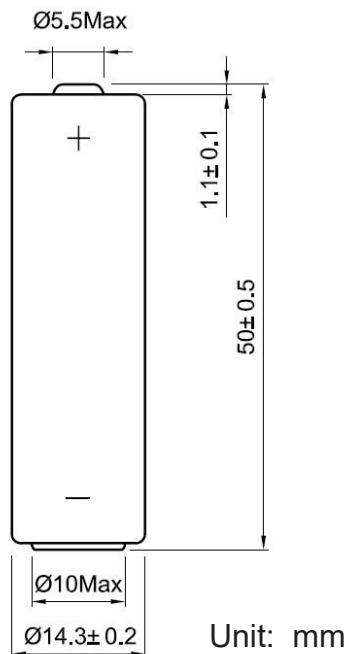
### Applications

- 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

