UHR-ER34615-X: D size spiral cell (Generation X)
Technical Datasheet

HiRate™

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 applications
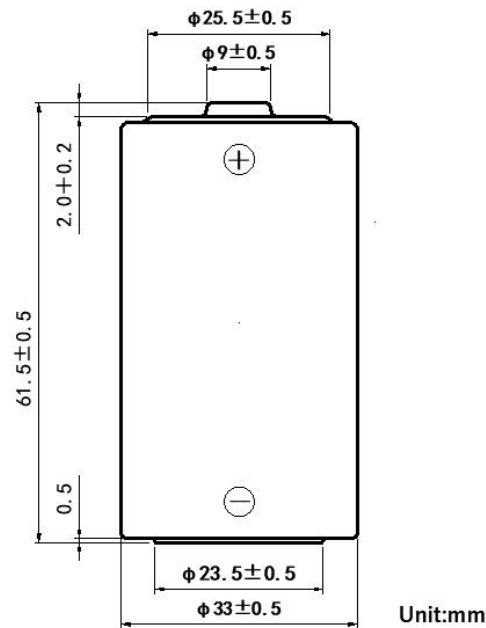
Replacement For

- LSH20
- TL2300
- SW-D02

Technical Specifications	
Part No	UHR-ER34615-X
Model No	ER34615M-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 10mA	14.5Ah to 2.0V @ +23°C
Capacity Range	10-14.5Ah 0-60°C (temperature and load dependent)
Max. Constant Discharge Current	1800mA
Pulse Capability[1]	Typically up to 3000mA (3000mA/0.1 second pulses, drained every 2 min at +20°C)
Weight	108g
Lithium Metal Content	4g
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
Protection	PTC anti-short-circuit device
Safety	UL 1642 UN 38.3 (transportation)
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 IA

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.

Dimensions

φ25.5±0.5
φ9±0.5
2.0+0.2
61.5±0.5
0.5
φ23.5±0.5
φ33±0.5
Unit:mm

Performance Graphs

RT capacity test at different rates

Voltage (V) vs Capacity (mAh)

177 mA
354 mA
532 mA
709 mA

Pulse 59s 177mA 1s 900mA at 25°C to 2V

Voltage (V) vs Capacity (mAh)

Capacity vs. Current

Capacity (Ah) vs Current (mA)

- ■ 85°C
- ● 50°C
- ▲ 25°C
- ▼ 0°C
- ◆ -20°C
- ◄ -40°C