

UHR-ER34615-X2: D size spiral cell (Generation X2)

Technical Datasheet

WE. ARE. CRITICAL. POWER.™



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
- Built-in safety vent
- Non-flammable, non-heavy metal electrolyte
- Finished product with PCBA use fuse & diode for safety
- Laser welded can seal

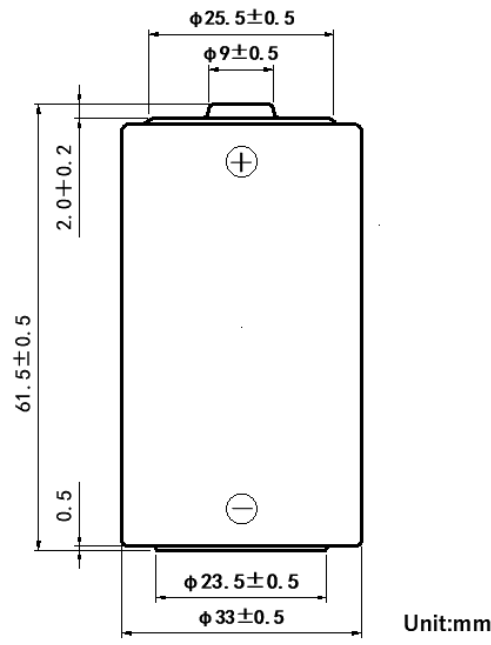
Applications

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

Technical Specifications

Part No	UHR-ER34615-X2
Model No	ER34615M-X2
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	14.0Ah to 2.0V @ +23°C
Min. Cut-off Voltage	2.0V
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	106g
Lithium Metal Content	3.7g
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
Safety	UL 1642 - pending UN 38.3 (transportation) (technician replaceable)
Transportation	UN 3090 Dangerous Goods Class 9, Lithium Content >1.0 g, <5.0 g If packed in or with equipment (UN 3091), contact Ultralife for guidance or other questions.
Notes	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



Performance Graphs

