

# UA-CR1/3N

## Technical Datasheet



### Technical Specifications

<b>Part No</b>	UA-CR1/3N
<b>IEC</b>	CR11108
<b>Cell Type</b>	Primary, non-rechargeable
<b>Chemistry</b>	Lithium / manganese dioxide
<b>Voltage Range</b>	1.5V to 3.35V
<b>Nominal Voltage</b>	3.0V
<b>Typical Capacity<sup>1</sup></b>	170mAh
<b>Max. Continuous Discharge</b>	80mA
<b>Max. Pulse Discharge</b>	Up to 160mA (temperature and rate dependent)
<b>Energy Rating</b>	0.24Wh
<b>Weight</b>	3.0g
<b>Lithium Metal Content</b>	0.05g
<b>Operating Temperature</b>	-40°C to +70°C
<b>Storage Temperature<sup>2</sup></b>	-20°C to +45°C
<b>Humidity</b>	65±20%
<b>Exterior/Housing</b>	Elastomeric wrapped, Ni plated stainless steel
<b>Terminals/Connector</b>	Ni plated steel nub and flat contacts
<b>Size (maximums)</b>	10.8mm (L) x 11.6mm (D)
<b>Certifications</b>	UL 1642 (file no. MH30127) UN 38.3
<b>Transportation<sup>3</sup></b>	Excepted Dangerous Goods UN3091: Packed with or contained in equipment Air Shipment: Packing Instruction 969 or 970, Section II  UN3090: Bulk shipment Air shipment: Packing Instruction 968, Section II
<b>Quality Assurance</b>	Ultralife manufacturing facilities are ISO 9001:2015 and ISO 13485:2016 registered. Its products are listed under the Component Recognition Program of Underwriters Laboratories (UL) and have passed UN transportation testing, which is required for international transportation of all lithium batteries.

### Features

- Lightweight cells with stable output voltages
- High energy density
- Wide working temperature range
- Low self-discharge (less than 2% after 1 year of storage at 20°C)
- High reliability
- 10 year shelf-life

### Typical Applications

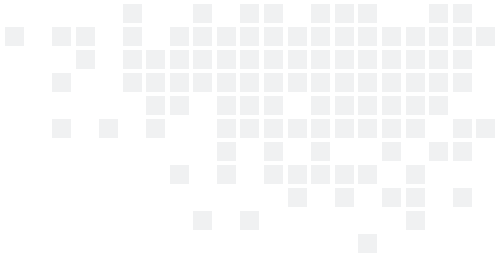
- Safety and security systems
- Metering systems
- LED flashlights
- Internet of Things (IoT) devices
- Sonobuoys

### Replacement For

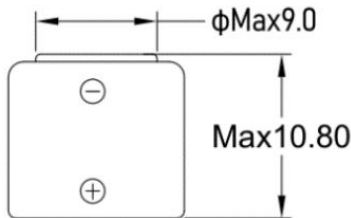
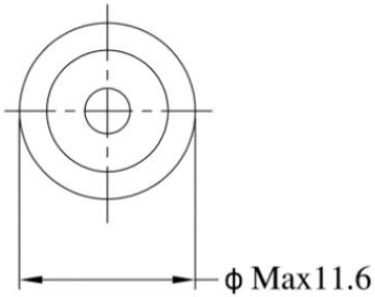
- CR1/3N

### Notes

1. Discharged using a 3mA load to 1.5V @ 23°C.
2. Cells should be stored in temperatures less than 30°C for a shelf-life of ten years.  
Recommended Storage Conditions: Temperatures 5°C to 35°C and humidity <70% RH (to prevent self-discharge caused by corrosion or decrease of insulation). Storage at <-20°C can deform the plastic parts and may cause leakage.
3. For bulk shipments by air that are no more than eight cells and one package, this cell is Excepted Dangerous Goods and can be shipped under Packing Instruction 968, Section II.



# Dimensions



Unit: mm

# Performance Graphs

