

# CR123A Crimp Seal 2/3 A

## Technical Datasheet



### Technical Specifications

<b>Part No</b>	UB123A
<b>Cell Type</b>	Primary, non-rechargeable
<b>Chemistry</b>	Lithium / manganese dioxide
<b>Voltage Range</b>	1.5V to 3.3V
<b>Nominal Voltage</b>	3.0V
<b>Typical Capacity<sup>1</sup></b>	1650mAh
<b>Max. Continuous Discharge</b>	1500mA
<b>Max. Pulse Discharge</b>	Up to 2500mA for up to 15 seconds @ 50% SoC (life and temperature dependent)
<b>Energy Rating</b>	4.95Wh
<b>Energy Density</b>	
Gravimetric	291Wh/kg
Volumetric	632Wh/L
<b>Weight</b>	17g
<b>Operating Temperature<sup>2</sup></b>	0°C to 60°C
<b>Storage Temperature<sup>3</sup></b>	-20°C to 45°C
<b>Exterior/Housing</b>	Elastomeric wrapped, Ni plated steel
<b>Terminals/Connector</b>	Ni plated steel nub and flat contacts
<b>Size (maximums)</b>	Length: 34.5mm Diameter: 17.0mm
<b>Certifications</b>	IEC 60086-4 (CB ref. pending) UL 1642 (pending) UN 38.3
<b>Safety</b>	This battery contains a Positive Temperature Coefficient (PTC) safety device to limit current during short circuit conditions
<b>Transportation<sup>4</sup></b>	Excepted Dangerous Goods UN3091: Packed with or contained in equipment Air Shipment: Packing Instruction 969 and 970, Section I  Class 9 Dangerous Goods UN3090: Bulk shipment Air shipment: Packing Instruction 968, Section IB UN Testing Summary - UNTS-0251
<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
- High reliability

### Typical Applications

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

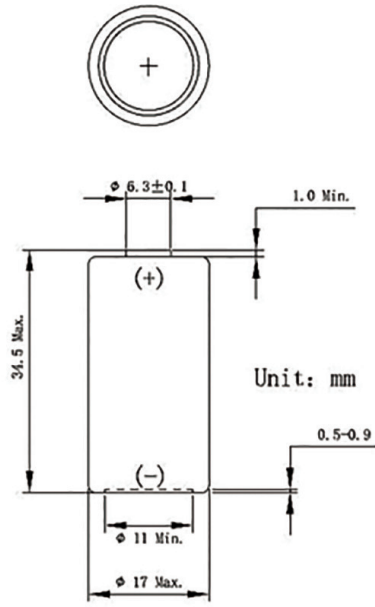
### Replacement For

- CR123A
- CR17345
- EL123A
- DL123A
- PL123A
- RL123A
- K123LA
- VL123A

### Notes

1. Discharged using a 100Ohm load to 2.0V @ 23°C.
2. Discharges below 0°C are highly dependent on load profile, please contact Ultralife for more details.
3. Cells should be stored in temperatures less than 30°C for an optimal shelf-life.  
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.
4. 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



# Performance Graphs

