ULTRALIFE
BATTERY & ENERGY PRODUCTS

CR123A Crimp Seal 2/3 A

Technical Datasheet

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

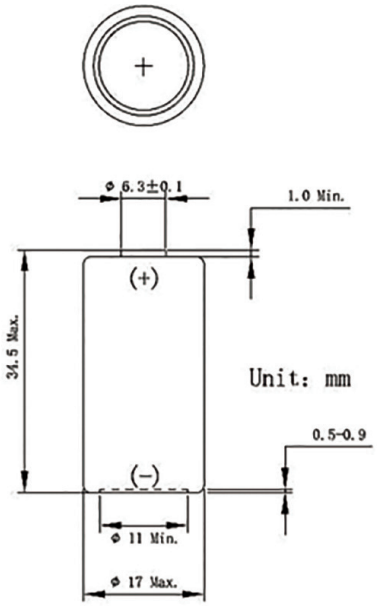
Technical Specifications	
Part No	UB123A
Cell Type	Primary, non-rechargeable
Chemistry	Lithium / manganese dioxide
Voltage Range	1.5V to 3.3V
Nominal Voltage	3.0V
Typical Capacity[1]	1650mAh
Max. Continuous Discharge	1500mA
Max. Pulse Discharge	Up to 2500mA for up to 15 seconds @ 50% SoC (life and temperature dependent)
Energy Rating	4.95Wh
Energy Density **Gravimetric** **Volumetric**	 291Wh/kg 632Wh/L
Weight	17g
Operating Temperature	-20°C to 60°C
Storage Temperature[2]	-20°C to 45°C
Exterior/Housing	Elastomeric wrapped, Ni plated stainless steel
Terminals/Connector	SS nub and Ni flat contacts
Size (maximums)	Length: 34.5mm Diameter: 17.0mm
Certifications	IEC 60086-4 (CB ref. pending) UL 1642 (pending) UN 38.3
Safety	This battery contains a Positive Temperature Coefficient (PTC) safety device to limit current during short circuit conditions
Transportation[3]	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
Quality Assurance	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.

Notes

1. Discharged using a 10mA load to 2.0V @ 23°C.
2. 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.
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.

Newark, New York | +1 315-332-7100 | Fax: +1 315-331-7800

Dimensions



Newark, New York | +1 315-332-7100 | Fax: +1 315-331-7800