

XR123A Crimp Seal 2/3 A

Technical Datasheet



Technical Specifications

Part No	XR123A
Cell Type	Primary, non-rechargeable
Chemistry	Lithium / carbon monofluoride-manganese dioxide
Voltage Range	1.5V to 3.3V
Nominal Voltage	3.0V
Typical Capacity¹	2,000mAh
Max. Continuous Discharge	1,000mA
Max. Pulse Discharge	Up to 2,500mA for up to 15 seconds @ 50% SoC (life and temperature dependent)
Energy Rating	6.0Wh
Energy Density	
Gravimetric	375Wh/Kg
Volumetric	766Wh/L
Weight	16g
Operating Temperature	-20°C to +60°C
Storage Temperature²	-40°C to +60°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	UN 38.3 UL 1642 IEC 60086-4:2019 CB scheme (ID: DK-143366-UL)
Safety	This battery contains a Positive Temperature Coefficient (PTC) safety device to limit current during short circuit condition
Transportation³	UN 3090 Dangerous Goods Class 9, Lithium Content >0.3 g, <1.0g If packed in or with equipment (UN 3091) contact Ultralife for guidance or other questions. UN Testing Summary - UNTS-265
Quality Assurance	Ultralife manufacturing facilities are ISO 9001 and ISO 13485 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

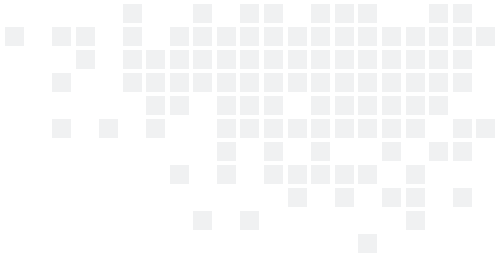
1. Discharged using a 10mA load to 2.0V @ +23°C.
2. Cells should be stored in temperatures less than +30°C for a shelf-life of greater than five years.
3. For bulk shipments by air that are no more than eight cells and one package, this cell is Excepted Dangerous Goods and can be shipped under Packing Instruction 968, Section II.

Features

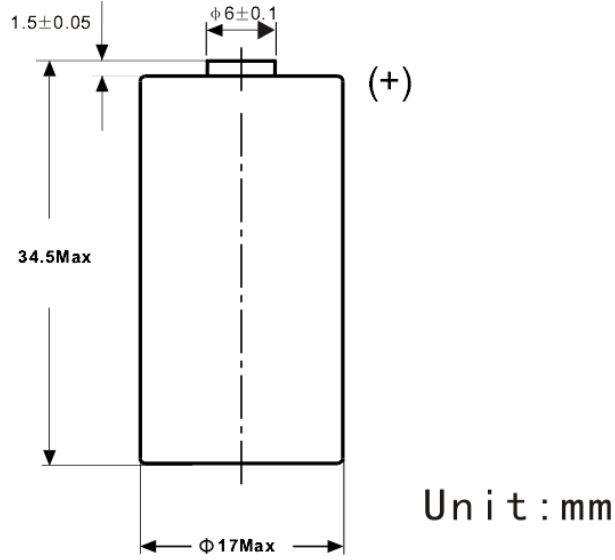
- Compact, lightweight cells with relatively large voltages
- Higher energy density
- Wide working temperature range
- Very small self-discharge
- High reliability
- 10 year shelf-life
- Added safety with shutdown separator

Typical Applications

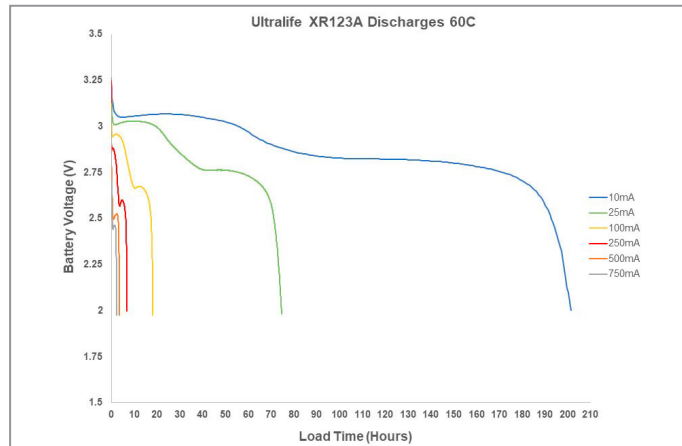
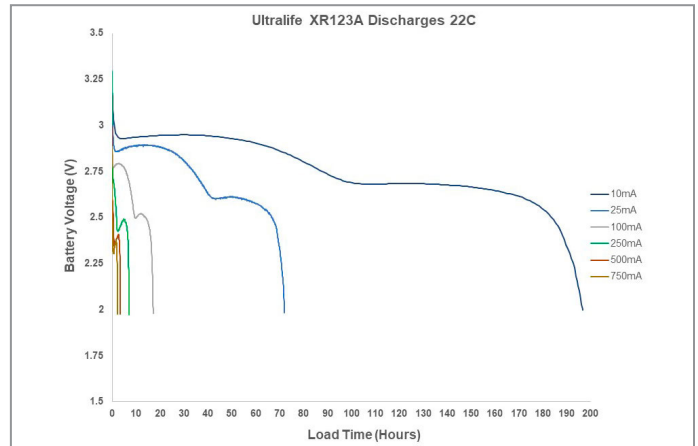
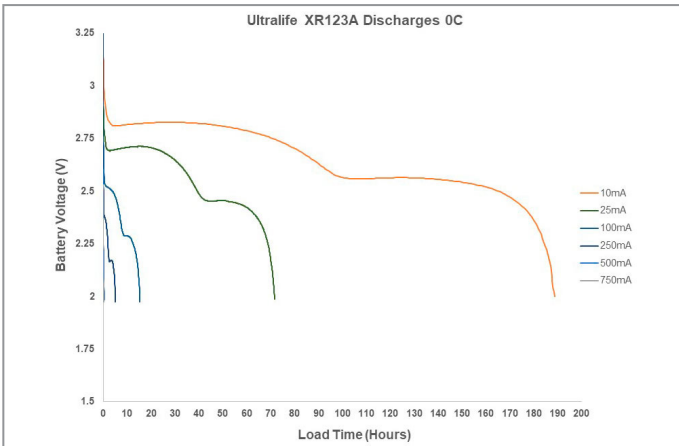
- Digital cameras
- LED flashlights
- Various meters
- Small electronic appliances requiring relatively high currents



Dimensions



Performance Graphs



More performance graphs on next page

Performance Graphs (Continued)

