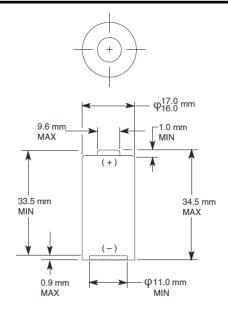
DURACELL®

DL123A

Lithium/Manganese Dioxide Battery





Dimensions shown are IEC/ANSI standards

Key Features

- Industry Highest Cell Capacity & High Energy
- High voltage response, stable during most of the lifetime of the application
- Reliable Performance
- Wide operating temperature range (- 20°C / + 75°C)
- Low self-discharge with long operating life (<1% after 1 year of storage at + 20 °C)
- Excellent resistance to corrosion
- Designed to meet all major quality, safety and environment standards:
 - o Safety: IEC 60086-4 o Transport: UN 38.3
 - o RoHS and REACH compliance
 - o Quality: ISO 9001, Duracell World Class Continuous Program

DURACELL®

Berkshire Corporate Park Bethel, CT. 06801 U.S.A.

Telephone: Toll-free 1-800-544-5454

www.duracell.com

Electrical characteristics

■ Nominal capacity (100 Ohm Cont., 2V cut-off)	1550 mAh
■ Typical Voltage (at + 20 °C)	3.2-3.3 V
■ Standard Continuous Discharge Current	20 mA
■ Maximum Continuous Discharge Current	60 mA
■ Maximum Abnormal Charge Current	25 mA
■ Nominal Energy	4.65 Wh
■ AC Impedance @ 1kHz	250 mOhm

Physical characteristics

•	Typical weight	17.0 g (0.60 oz.)
	Li metal content	approx. 0.56g

Operating & Storage conditions

Ī	Operating temperature range	(-4°F to 167°F)
	Recommended Storage (storage area should	

Recommended Storage (storage area should be clean, cool, dry and ventilated 5°C to 30°C (41°F to 86°F)

Delivered capacity is dependent on the applied load, operating temperature and cut-off voltage. Please refer to the charts and discharge data shown for examples of the energy/service life that the battery will provide for various load conditions.

-20°C to 75°C

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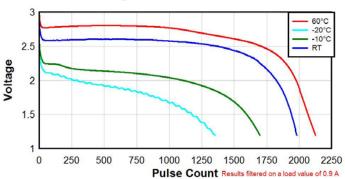
DL123A

Lithium/Manganese Dioxide Battery

Typical applications

- Cameras
- Security devices (sensors, monitoring cameras)
- Smoke Detectors
- Wireless Sensors
- Door locks
- Pet Training Collars
- High Intensity Flashlights
- Laser Sights

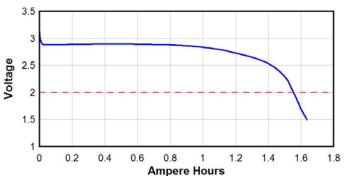
0.9 Amp, 3 sec ON / 27 sec OFF @ Various Temperatures



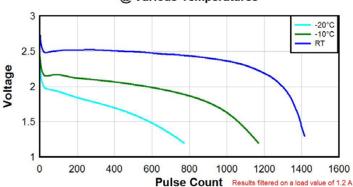
Pulse Testing 50 mA Intermittent to 1.8V



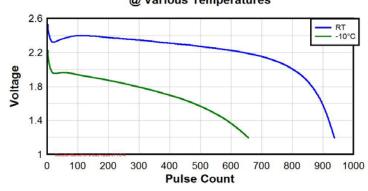
Capacity Testing 100 Ohm Continuous to 2.0V



1.2 Amp 3 sec ON / 7 sec OFF @ Various Temperatures



1.8 Amp 3 sec ON / 7 sec OFF @ Various Temperatures



DURACELLBATTERIES

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DL123A

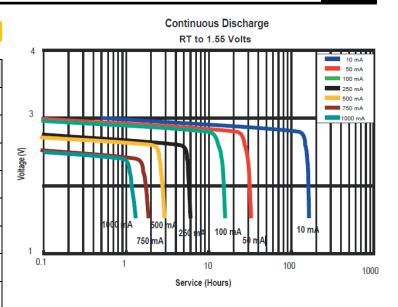
Lithium/Manganese Dioxide Battery

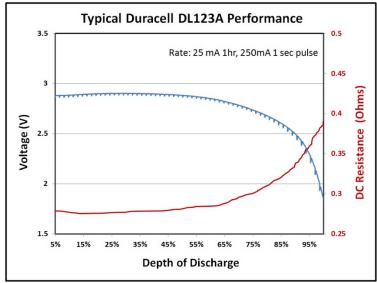
60086-4 © IEC:2007 Edition 3.0

Test	Test designation	Observation
А	Altitude	Pass
В	Thermal cycling	Pass
С	Vibration	Pass
D	Shock	Pass
Е	External short circuit	Pass
F	Impact	Pass
G	Crush	Pass
Н	Forced discharge	Pass
I	Abnormal charging	Pass
J	Free fall	Pass
K	Thermal Abuse	Pass



Fire, explosion and burn hazard Do not recharge, short circuit, crush, disassemble, heat above 100 °C (212 °F), incinerate, or expose contents to water







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