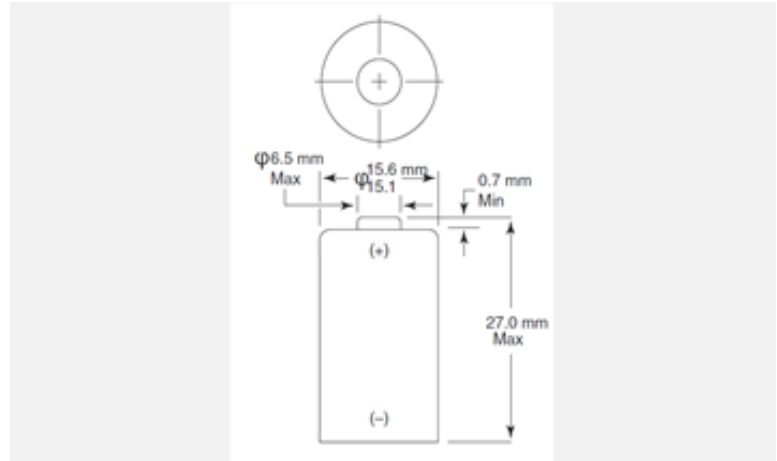


LITHIUM-MANGANESE DIOXIDE BATTERY



Size: CR2



Dimensions shown are IEC standards

KEY FEATURES

- High voltage response, stable during most of the lifetime of the application
- Reliable Performance
- 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:
 - Safety: IEC 60086-4
 - Transport: UN 38.3
 - RoHS and REACH compliance
 - Quality: ISO 9001, Duracell World Class Continuous Program

ELECTRICAL CHARACTERISTICS

- | | |
|--|-----------|
| ▪ Nominal capacity (100 Ω Cont., 2V cut-off) | 920 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 | 20 mA |
| ▪ Nominal Energy | 2.55 Wh |
| ▪ AC Impedance @ 1kHz | 300 mΩ |

PHYSICAL CHARACTERISTICS

- | | |
|--------------------|-----------------|
| ▪ Typical weight | 11 g (0.39 oz.) |
| ▪ Li metal content | approx. 0.30g |

OPERATING & STORAGE CONDITIONS

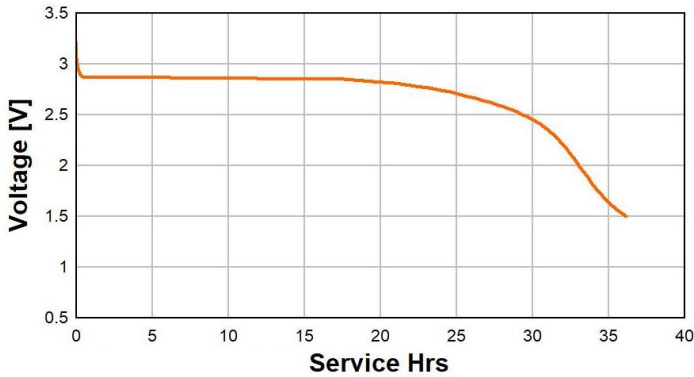
- | | |
|--|----------------------------------|
| ▪ Operating temperature range | -20°C to 75°C
(-4°F to 167°F) |
| ▪ Recommended Storage (storage area should be clean, cool, dry and ventilated) | 5°C to 30°C
(41°F to 86° F) |

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.

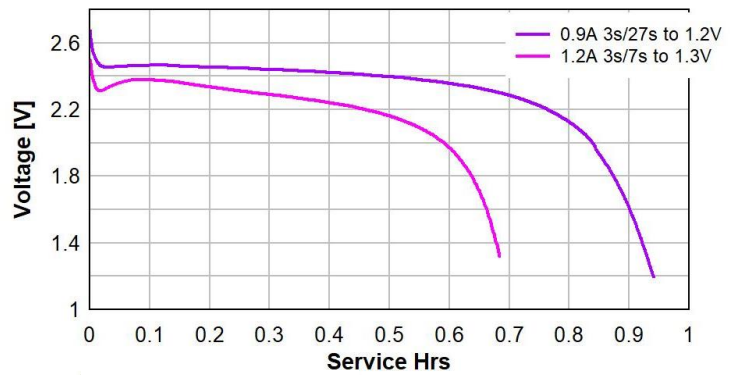
This data is subject to change. Performance information is typical. Contact Duracell for the latest information.

TYPICAL PERFORMANCE

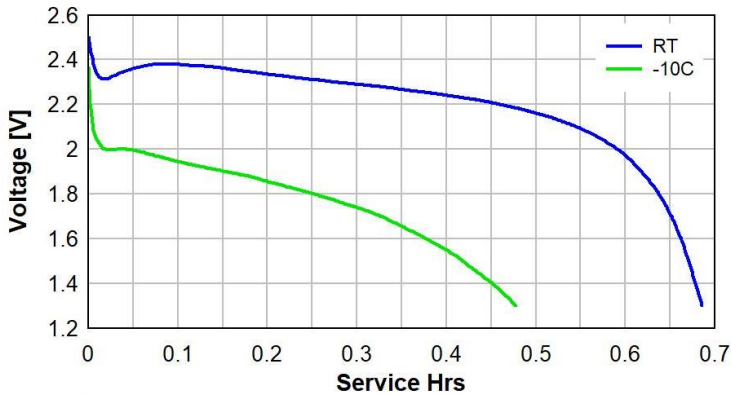
Rated Capacity
100 Ω cont to 1.5V



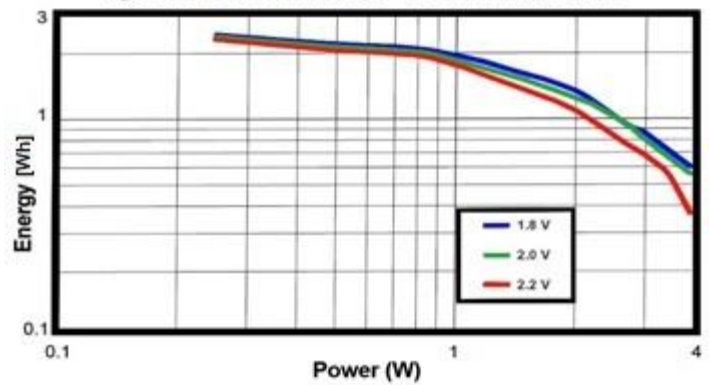
Pulse Discharge



Pulse discharge at various Temperatures
1.2A 3s/7s to 1.3V

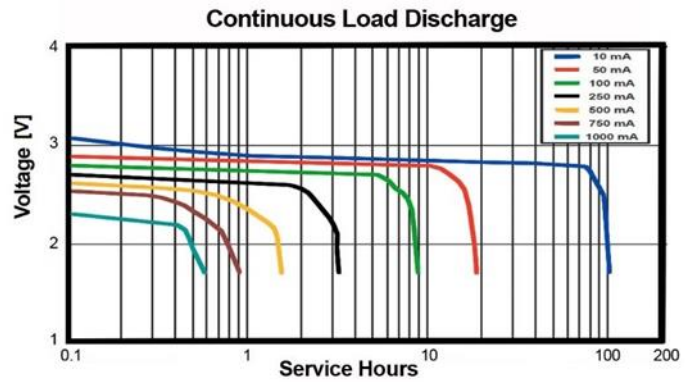


Delivered Energy vs. Power Drain
@ Various Cutoff Voltage - Room Temperature



TYPICAL APPLICATIONS

- Cameras
- Security devices (sensors)
- Smoke Detectors
- Wireless Sensors
- Remote Controls
- High Intensity Flashlights
- Laser Sights



60086-4 © IEC:2007 Edition 3.0

Test	Test designation	Observation
A	Altitude	Pass
B	Thermal cycling	Pass
C	Vibration	Pass
D	Shock	Pass
E	External short circuit	Pass
F	Impact	Pass
G	Crush	Pass
H	Forced discharge	Pass
I	Abnormal charging	Pass
J	Free fall	Pass
K	Thermal Abuse	Pass

WARNING

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