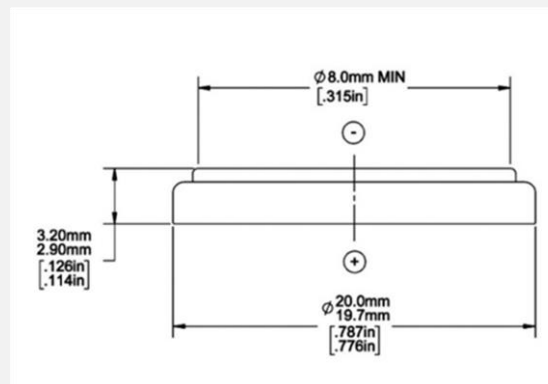


## LITHIUM-MANGANESE DIOXIDE BATTERY



Size: PC2032



Dimensions shown are IEC standards

### KEY FEATURES

- High voltage response, stable during most of the lifetime of the application
- Reliable Performance
- Child-Safe Markings & Retail Packaging
- Wide operating temperature range (-20°C / +60°C)
- Low self-discharge with long operating life (<2% 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
  - REACH compliance
  - Quality: ISO 9001, Duracell World Class Continuous Program

### ELECTRICAL CHARACTERISTICS

|                                              |         |
|----------------------------------------------|---------|
| Nominal capacity (15kΩ Cont., 2.0 V cut-off) | 245 mAh |
| Nominal voltage (at + 20 °C)                 | 3.0 V   |
| Standard Continuous Discharge Current        | 0.5 mA  |
| Maximum Continuous Discharge Current         | 6 mA    |
| Maximum Pulse Discharge Current at 1 sec     | 20 mA   |
| Nominal Energy                               | 735 mWh |
| AC Impedance @ 1kHz                          | 20Ω     |

### PHYSICAL CHARACTERISTICS

|                  |                  |
|------------------|------------------|
| Typical weight   | 3.1 g (0.11 oz.) |
| Li metal content | approx. 0.06 g   |
| Battery Case     | Ni Plated SS     |

### OPERATING & STORAGE CONDITIONS

|                                                                              |                                  |
|------------------------------------------------------------------------------|----------------------------------|
| Operating temperature range                                                  | -20°C to 60°C<br>(-4°F to 140°F) |
| Recommended Storage (storage area should be clean, cool, dry and ventilated) | 5°C to 30°C<br>(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.

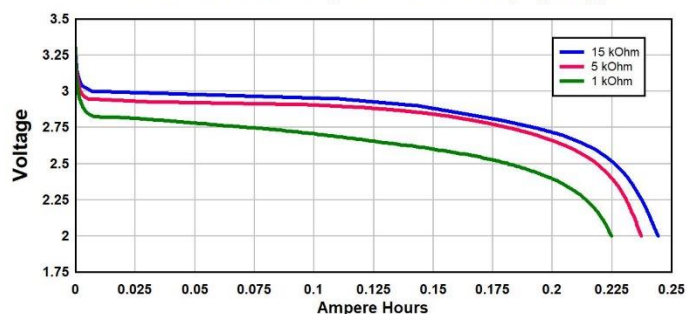
This data is subject to change. Performance information is typical. Contact Duracell for the latest information.

**PROCELL®**  
PROFESSIONAL BATTERIES

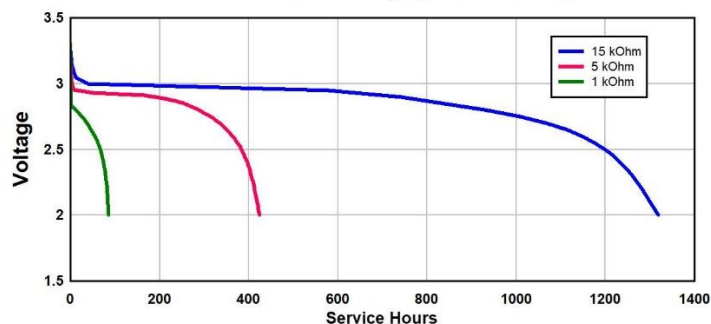
Procell Professional Batteries  
Berkshire Corporate Park  
Phone: 1-800-544-5454 (Toll-free)  
[www.procell.com](http://www.procell.com)

## TYPICAL PERFORMANCE

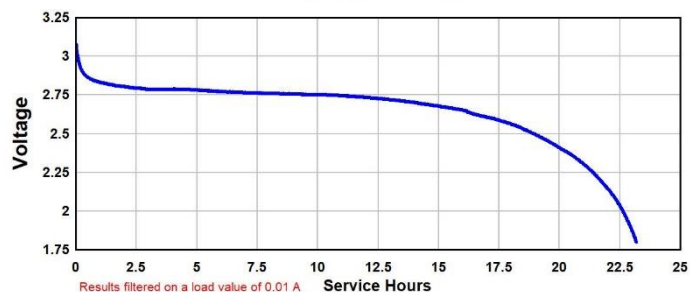
Continuous Discharge Characteristics (Capacity)



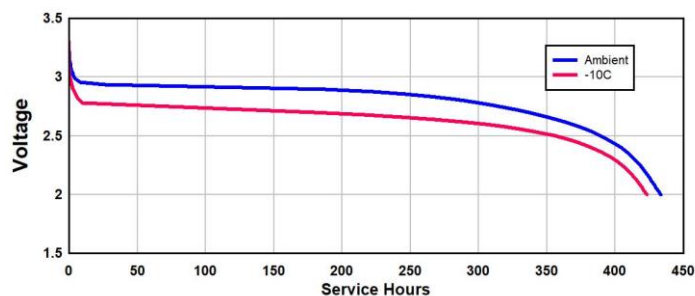
Continuous Discharge (Service Hours)



IEC Key Fob Performance  
10 mA 5s/m to 1.8V



Cold Temperature Discharge  
5 kOhm Continuous to 2.0V



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## TYPICAL APPLICATIONS

- Medical devices
- Security devices
- Fitness devices
- Watches
- Calculators
- Wireless sensors
- Toys
- Key-Fobs & Trackers

## TYPICAL APPLICATIONS

| 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

## WARNING! KEEP BATTERIES AWAY FROM CHILDREN!

- Always keep your batteries away from children to prevent swallowing.
- If ingestion does occur, however, be aware that initial symptoms may be similar to other childhood illnesses such as coughing, drooling and discomfort.
- Battery ingestion hotline (860-498-8666)