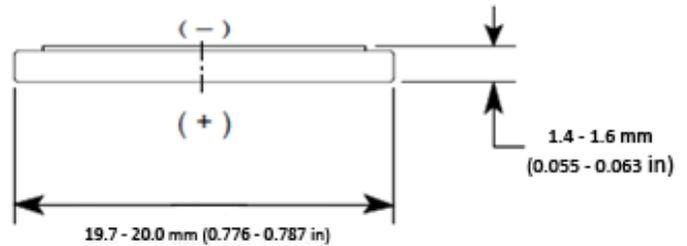


LITHIUM-MANGANESE DIOXIDE BATTERY



Size: PC2016



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
- 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 (15 kΩ Cont., 2.0 V cut-off)	110 mAh
▪ Nominal voltage (at + 20 °C)	3.0 V
▪ Standard Continuous Discharge Current	0.2 mA
▪ Maximum Continuous Discharge Current	3 mA
▪ Maximum Pulse Discharge Current at 1 sec	10 mA
▪ Nominal Energy	315 mWh
▪ AC Impedance @ 1kHz	11Ω

PHYSICAL CHARACTERISTICS

▪ Typical weight	1.74g (.061 oz.)
▪ Li metal content	approx. 0.025 g

OPERATING & STORAGE CONDITIONS

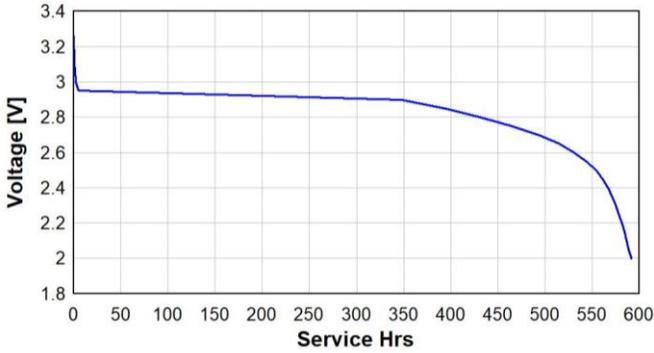
▪ Operating temperature range	-20°C to 60°C (-4°F to 140°F)
▪ Recommended Storage (storage area should be clean, cool, dry and ventilated)	5°C to 30°C (41°F to 86° F)

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.

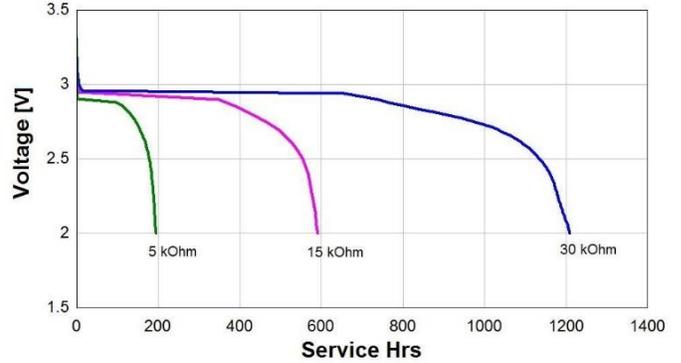
This data is subject to change. Performance information is typical. Contact Duracell for the latest information.

TYPICAL PERFORMANCE

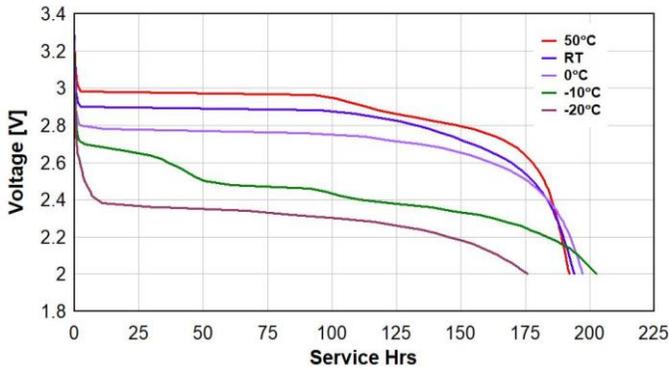
Continuous Discharge
15k Ω continuous until 2V



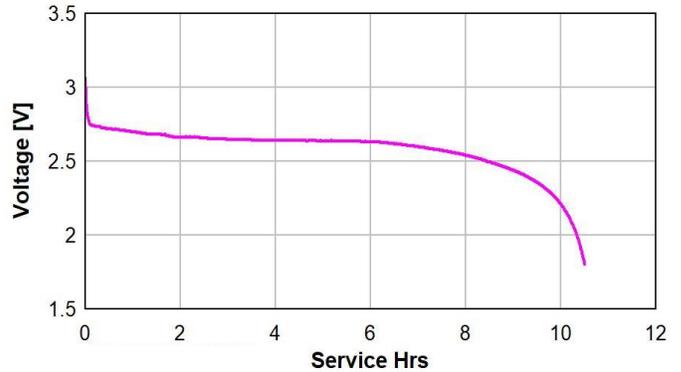
Continuous Discharge to 2.0V cut-off



Temperature Discharge
5000 Ω Continuous to 2V



Pulse Discharge
10 mA 5s/m, 24h/d 1.8V



TYPICAL APPLICATIONS

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

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! 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)

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

PROCELL®

PROFESSIONAL BATTERIES

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

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