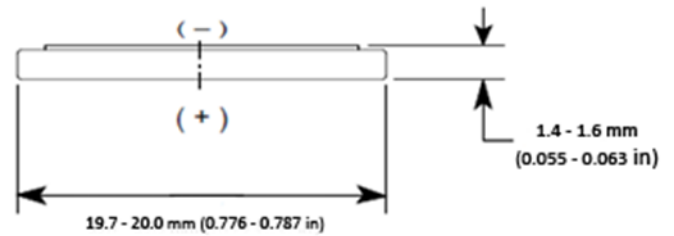


LITHIUM/MANGANESE DIOXIDE BATTERY



Size: PX2016



Dimensions shown are IEC standards

KEY FEATURES

- High voltage response, stable during most of the lifetime of the application
- Reliable Performance
- Child-Safe Markings
- Wide operating temperature range (-20°C/ + 60°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:
 - Safety: IEC 60086-4
 - Transport: UN 38.3
 - REACH compliance
 - Quality: ISO 9001, Duracell World Class Continuous Program

TYPICAL APPLICATIONS

- Security Devices
- Medical Devices
- Fitness Devices & Watches
- Wireless Sensors
- Key-Fobs
- Bluetooth Trackers

ELECTRICAL CHARACTERISTICS

▪ Nominal capacity (15k Ohm Cont., 2.0 V cut-off)	85 mAh
▪ Nominal Voltage (at +20°C)	3.0 V
▪ Standard Continuous Discharge Current	0.1 mA
▪ Maximum Continuous Discharge Current	6 mA
▪ Maximum Pulse Discharge Current at 1 sec	20 mA
▪ Nominal Energy	255 mWh
▪ AC Impedance @ 1kHz	8.5 Ohm

PHYSICAL CHARACTERISTICS

▪ Typical weight	1.75 g (0.061 oz.)
▪ Li metal content	approx. 0.024 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 (preferably not exceeding +30°C), dry and ventilated
	5°C to 30°C (41°F to 86° F)
▪ Storage Humidity	<70%

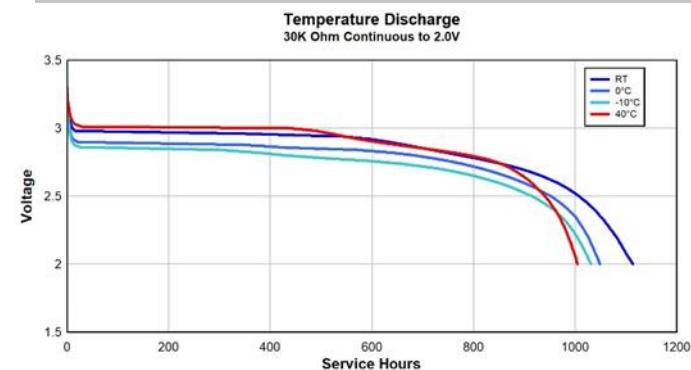
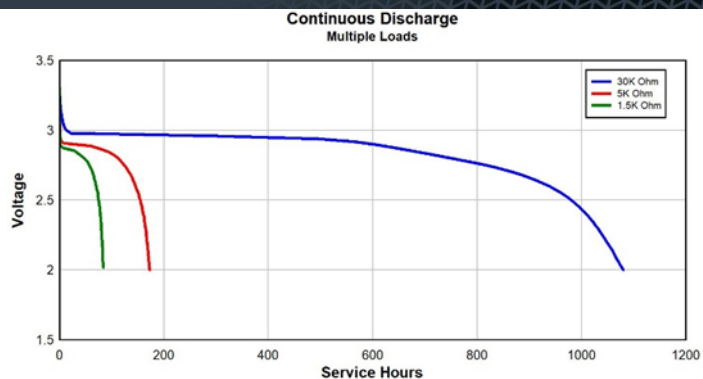
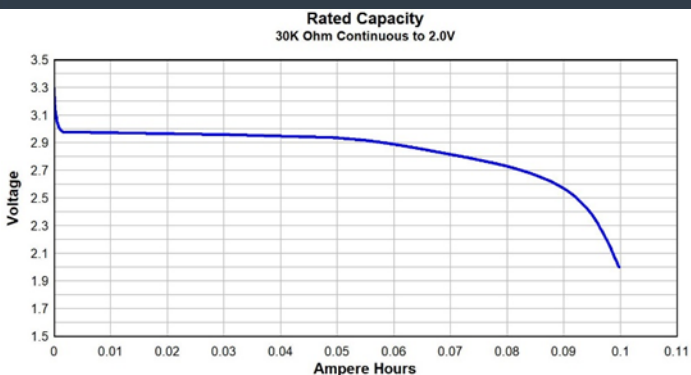
PROCELL[®]
BY THE DURACELL COMPANY

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

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



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 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 (1-800-498-8666).

Cavity Contact Design Recommendation

Duracell implemented on-cell Child Secure Technology to protect against accidental lithium coin battery ingestion. Non-toxic, bitter coating on the battery that is designed to compel those who put battery in their mouth to immediately spit the battery out. Duracell recommends device designers and manufacturers avoid placing contacts within 3.2 mm of the perimeter of the negative terminal as shown in Figure 1.

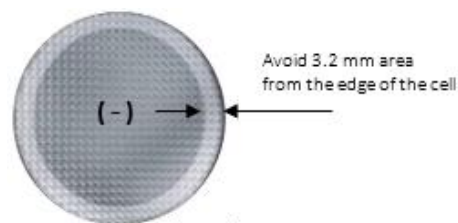


Figure 1

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.

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