



# **Lithium Manganese Dioxide Battery (LiMnO2)**

SPECIFICATIONS	
Type Designation	IEC-CR15H270, JIS/GP CR2
Chemical System	Lithium/Manganese Dioxide (Li/Mn0 <sub>2</sub> )
Nominal Voltage	3.0 V
Weight	10.0g
Dimensions (mm)	Outer Diameter: 15.0 ~ 15.6 Total Height: 26.0 ~ 27.0
Nominal Capacity	800mAh (10mA, 24h/d) e.v.: 1.8V, at 20±2°C, RH: 45% ~ 75%
Heavy Metal Contents	Hg ≤ 5ppm Cd ≤ 20ppm Pb ≤ 40ppm
Operation Temperature	-40°C ~ 60°C
Recommended Storage	≤ 30°C, 55±20%RH

This product complies with EU's battery directive (2013/56/EU). Packaging materials comply with EU's directive on packaging materials and waste (94/62/EC)

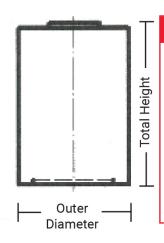
For private label, can mark according to customer's requirements. Minimum order requirements apply.



#### BENEFITS

- Good pulse and high discharge rate performance
- Wide operating temperature range
- Stable discharge voltage
- No passivation
- · Long operating life and shelf life
- Self-discharge rate less than 3% per year at 20°C
- Excellent safety in hermetically sealed case
- Ability to provide a variety of welded termination tabs for all cell types

Designation	CR2
Outer Diameter (mm)	15.0 ~ 15.6
Total Height (mm)	26.0 ~ 27.0

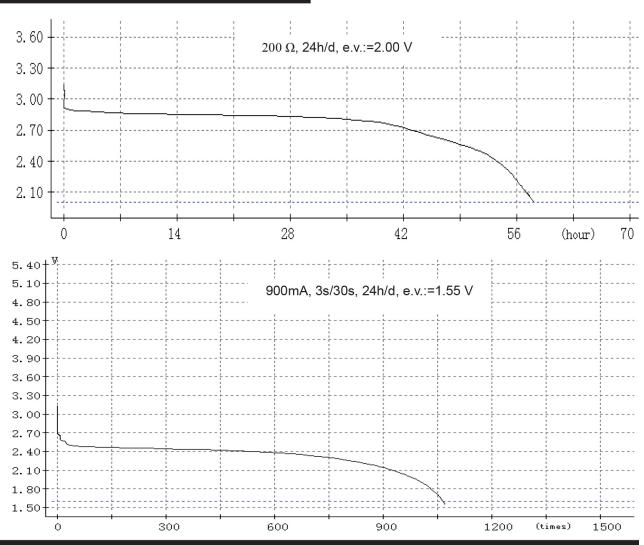


#### APPLICATIONS

- Hazardous environment monitoring
- Temperature and humidity monitor
- Electronic access controls
- Medical equipment
- Medical monitoring
- RFID / Tracking devices
- IoT (Internet of Things)

## **Lithium Manganese Dioxide Battery (LiMnO2)**

### **■ Discharge Curve**



### Safety Warnings

**Precautions in Handling of Lithium Batteries.** Care must be exercised when handling Lithium batteries to ensure that short circuiting, puncturing or deformation does not occur which may result in heat generation, leakage, explosion or possibility a fire which might cause injury.

**Do not insert batteries in reverse.** Observe the + and – markings on battery and equipment. When batteries are inserted in reverse they may be short-circuited or charged. This may cause overheating, explosion, or fire.

**Do not charge batteries.** Attempting to charge a primary battery may cause internal gas and/ or heat generation resulting in venting, explosion and possibly fire.

**WARNING.** Keep batteries out of reach of children. Serious harm can occur if swallowed. Seek immediate medical help if swallowed.







