

LITHIUM PRIMARY BATTERIES



**CR10450**  
**3.0V 500mAh**

Lithium-manganese Dioxide batteries

Cell size references:AAA

Electrical characteristics

(Stored for one year or less)

◉ Normina capacity (At 1mA, +25°C, 2.0V cut off)	500mAh
◉ Rated voltage	3.0V
◉ Max. recommended continuous current Current value is determind to be the level at which of the nominal capacity is obtained with an end voltage of 2.0V at +25°C	300mA
◉ Max. Pulse current Current value is obtaining 2.0V cell voltage when pulse is applied for 15 seconds at 50% discharge depth at 25°C	600mA
◉ Storage(recommended max.temperature)	30°C
◉ Operating temperature rang	-20°C ~ +60°C
◉ Weight(approx)	10g

WARNING:

Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 100°C, incinerate or expose contents to water.

- High and stable operating voltage
  - Low self-discharge rate  
Less than 1% after 1 year of storage at +20 °C
  - Stainless steel container
  - Hermetic glass-to-metal sealing
  - Non-flammable electrolyte
  - Compliant with IEC 86-4 safety standard
  - Non-restricted for transport
- UL**  
UL Component Recognition  
File Number MH 45782

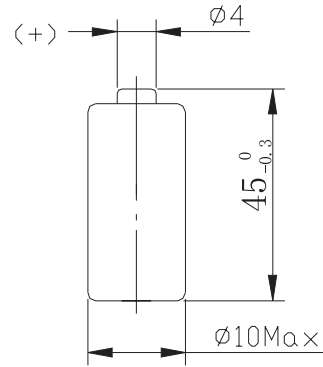
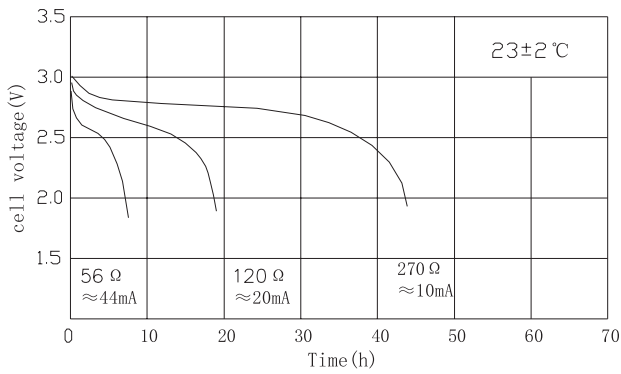
- TPMS
- Alarms and security system
- Memory back-up
- Tracking system
- Automotive electronics
- Professional electronics
- Computer real-time clocks

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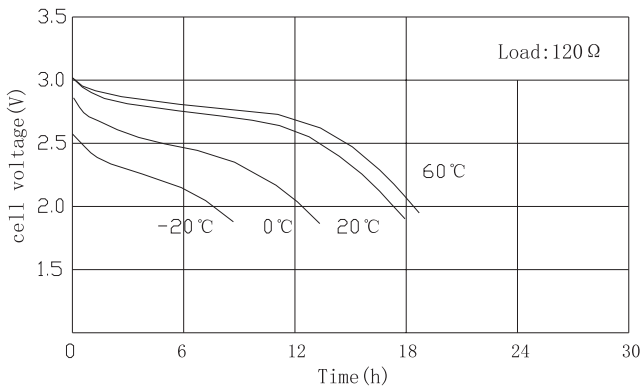
# CR10450

Lithium-manganese Dioxide batteries

Typical discharge profiles at 23°C



Voltage plateau versus Current and Temperature



Dimensions in mm

Available Terminations	
-/P	Axial Pin
-/T /PT2	Radial Pin
-/PT /TP	Polarized Tab