

LITHIUM BATTERY

Primary lithium batteries CR14250SE

**3.0V Primary lithium-manganese dioxide
(Li-MnO₂) Power type
1/2AA -size bobbin cell**

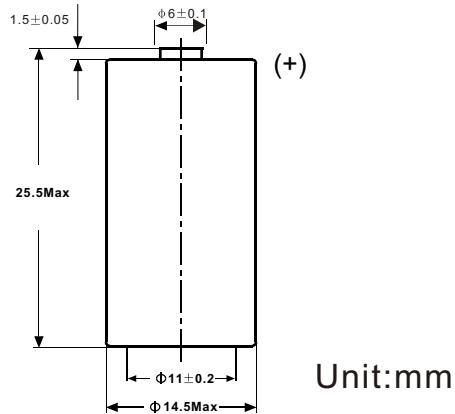
For low drain / long time applications requesting superior voltage response in -40°C~+60°C environments.

Cell size references (1/2 AA)

Electrical characteristics (typical values relative to cells stored for one year or less at +30°C max.)		
Nominal capacity (at 0.5 mA +20°C 2.0V cut off. The capacity resbred by the cell varies according to current drain, temperature and cut off).		0.95Ah
Open circuit voltage (at +20°C)		3.0V
Nominal voltage (at 0.5mA +20°C)		3.0V
Pulse capability: Typically up to 70 mA (70 mA/0.1 second pulses drained every 2 mn at +20°C from undischarged cells with 10 µA base current, yield voltage readings above 3.0V. The readings may vary according to the pulse characteristics, the temperature, and the cell' s previous history. Fitting the cell with a capacitor may be recommended in severe conditions. Consult pbq)		
Max. Continuous current		7mA
Max. Pulse current		70mA
Storage (recommended) (for more severe conditions, consult pbq)		+30°C max
Operating temperature range (Operation above ambient T may lead to reduced capacity and lower voltage readings at the begining of pulses. Consult pbq)		-40°C / +60°C
Physical characteristics		
Diameter (max)		14.5mm(0.57 in)
Height (max)		25mm(1 in)
Typical weight		11g(0.36oz)
Available termination suffix	radial tabs, radial pins, axial leads, flying leads	

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Key features

- ▶ High and stable operating voltage
- ▶ Superior drain capability
- ▶ Low self-discharge rate (less than 3% after 1 year of storage at +20°C)
- ▶ Hermetic glass-to-metal sealing
- ▶ Notch technology for safety vent is recommended
- ▶ Stainless steel container

Main applications

- ▶ Radiocommunication and other military applications
- ▶ Alarms and security systems
- ▶ Beacons and emergency location transmitters
- ▶ GPS
- ▶ Metering systems
- ▶ Sonobuoys
- ▶ LED lighting applications
- ▶ Others

Storage

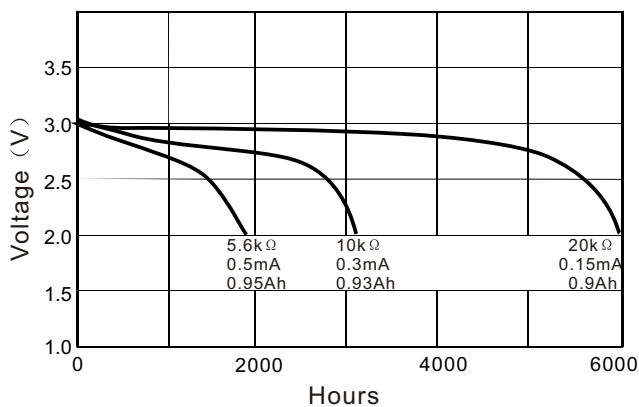
- ▶ The storage area should be clean, cool (not exceeding +30°C), dry and ventilated.

Warning

- ▶ Do not use if the battery casing was mangled.
- ▶ Don't use different models of battery in series.
- ▶ Do not try to recharge.

Characteristic curves

Discharge performance (25°C)



Nominal capacity 0.95Ah (0.5mA to 2.0V) .