



Primary lithium-thionyl chloride (Li-SOCl₂)

Bobbin cell

ER14250

Cell size references

1/2AA -size

Alternative models LS14250/LST14250/LS14250C/TL4902/SB-AA02/SB-AA02P

Electrical characteristics

(typical values relative to cells stored for one year or less at +30°C max.)

Nominal capacity 1.2Ah

(at 0.5 mA +20°C 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).

Open circuit voltage (at +20°C) 3.66V

Nominal voltage (at 0.5mA +20°C) 3.6V

Pulse capability: Typically up to 100 mA (100 mA/0.1 second pulses, drained every 2 mn at +20°C from undischarged cells with 10 μ A 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.

Max. Continuous current 50mA

Max. Pulse current 100mA

Storage (recommended) +30°C max

Operating temperature range -55°C / +85°C

Physical characteristics

Diameter (max) 14.5mm(0.55 in)

Height (max) 25mm(1 in)

Typical weight 10g(0.327oz)

Available termination suffix radial tabs, radial pins, axial leads, flying leads

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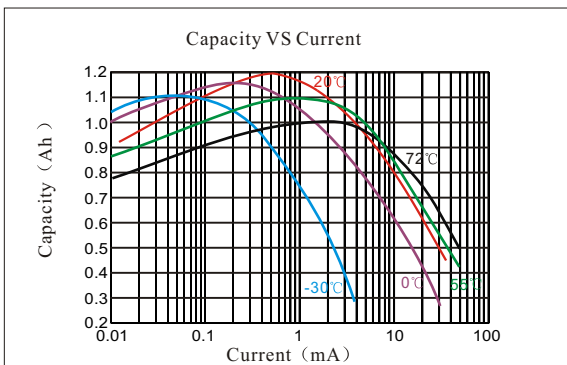
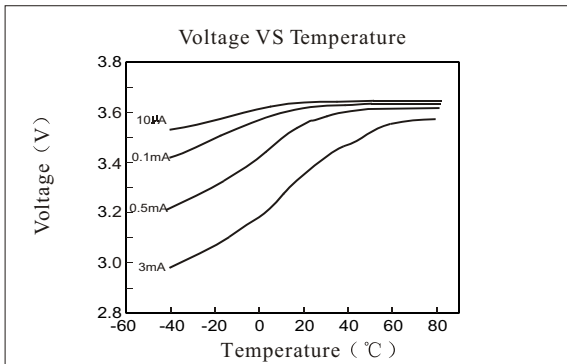
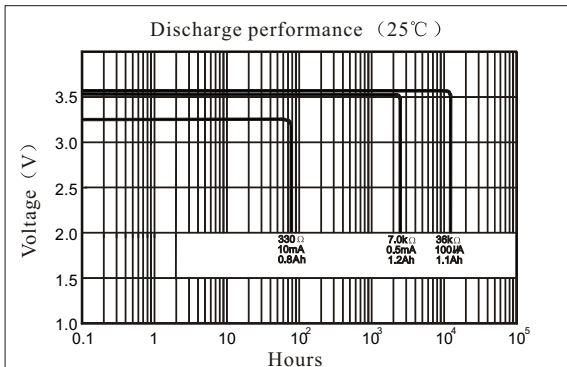
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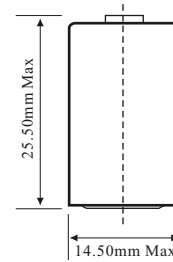


ER14250

■ Characteristic curves



■ Max dimensions



Main applications

- Radio communication 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.

Please discharge the battery few minutes with 100mA, if the battery voltage is lower than your need or consult.

Don't use different models of battery in series.

Soldering the tag should be finished in few seconds.

Do not try to recharge.