

Primary lithium batteries

(Li-SOCl₂)

Bobbin cell

ER10450

Cell size references	AAA size
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Alternative models	(AAA)
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Electrical characteristics
(typical values relative to cells stored for one year or less at +30°C max.)

Nominal capacity	0.7Ah
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(at 1 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
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Nominal voltage (at 1mA +20°C)	3.6V
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Pulse capability: Typically up to 30 mA (30 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	10mA
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Max. Pulse current	30mA
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Storage (recommended)	+30°C (+86 F) max
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Operating temperature range	-55°C / +85°C
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Physical characteristics

Diameter (max)	10mm(0.38 in)
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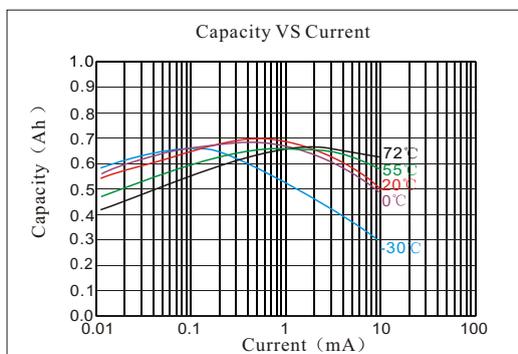
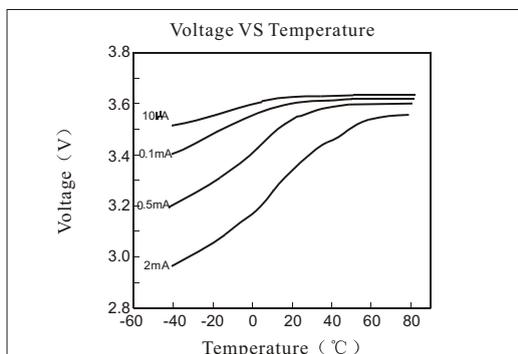
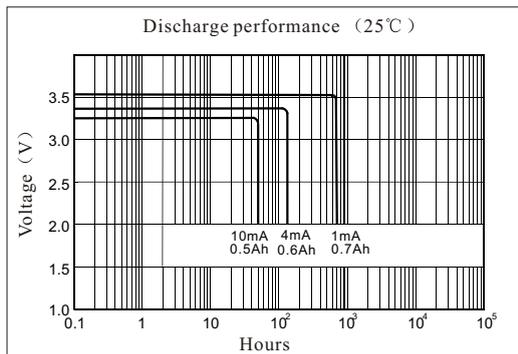
Height (max)	45mm(1.8 in)
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Typical weight	9g(0.3oz)
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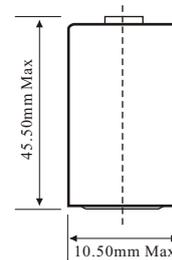
Available termination suffix	radial tabs, radial pins, axial leads, flying leads
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ER10450

■ 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.