



SHENZHEN M&LAK INDUSTRY CO.,LTD.

Bobbin Cell

Primary Lithium Battery

ER14250 1/2AA 3.6V 1.2Ah

3.6V Primary lithium-thionyl chloride
(Li-SOCl₂) Energy Type

For low drain/long term operating applications requesting superior voltage response in -55°C ~+ 85°C environments

Cell size references

1/2UM3-1/2R6-1/2AA

Alternative models LS14250/LST14250/LS14250C/TL4902/TL5902/SB-AA02/XL050F

Electrical characteristics

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

Nominal capacity	1.2Ah
<small>(At 0.5mA +20°C,2.0V cut off.The capacity restored varies according to current,temperature,cut off)</small>	
Open circuit voltage(At 20°C)	3.66V
Nominal voltage (At 0.5mA +20°C)	3.6 V
Max. continuous current (at +20°C)	20mA
Typical Max. continuous current (at +20°C)	50mA

Pulse capability: Typically up to 50mA (50mA/0.1second pulses drained every 2min at 20°C from cells with 10µA base current,yielding voltage readings above 3.0V.The readings may vary according to pulse characteristics,temperature and cell's previous history.Fitting the cell with a capacitor may be recommended in severe conditions.Consult ACT if necessary)

Storage (recommended) +30°C(+86°F)Max

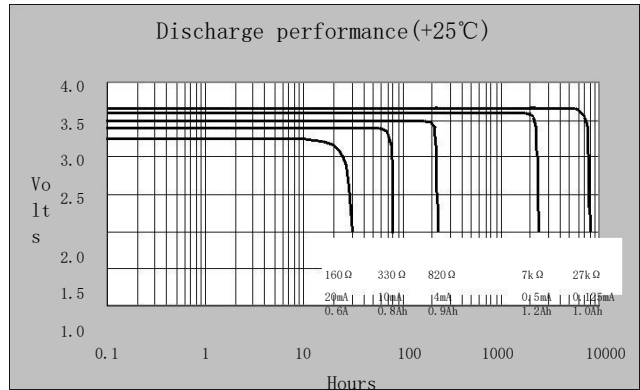
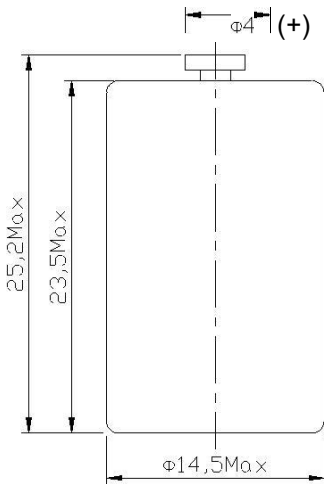
Operating temperature range -55°C~+85°C
(High and low temperatur will lower the capacity and load voltage.) -76°F~+185°F

Physical characteristics

Diameter(Max)	14.5mm(0.55in)
Height(Max)	25.2mm(1in)
Typical weight	9g(0.3oz)
Available terminal suffix	radial tabs,radial pins,axial leads,flying leads



ER14250



Key features

- >High and stable load voltage
- >Superior drain capacity
- >Low self-discharge rate (less than 1% after 1 year of storage at 20°C)
- >Stainless steel container
- >Hermetic glass-to-metal sealing
- >Laser welding
- >Non-flammable electrolyte

Main applications

- >Radiocommunication and other military applications
- >TPMS
- >RFID
- >Alarms and security systems
- >Beacons and emergency location transmitters
- >GPS equipment
- >Metering systems
- >Led lighting applications
- >Others

Storage

- >Cells should be stored in a clean & dry (less than 30% RH) area
- >Temp. should not exceed +30°C

Warning

- >Do not use if cell casing is mangled
- >Do not use different model of cell in series
- >Soldering the tag should be finished in few seconds
- >Do not try to recharge

