



**Bobbin Cell**

**Primary Lithium Battery**

**ER14250 1/2AA 3.6V 1.2Ah**

**3.6V Primary lithium-thionyl chloride  
(Li-SOCl<sub>2</sub>) 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
(At 0.5mA +20°C, 2.0V cut off. The capacity restored varies according to current, temperature, cut off)	

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. Pulse 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.)

Storage (recommended)	+30°C(+86°F)Max
-----------------------	-----------------

**Operating temperature range**

(High and low temperature will lower the capacity and load voltage.)	-55°C~+85°C
--	-------------

**Physical characteristics**

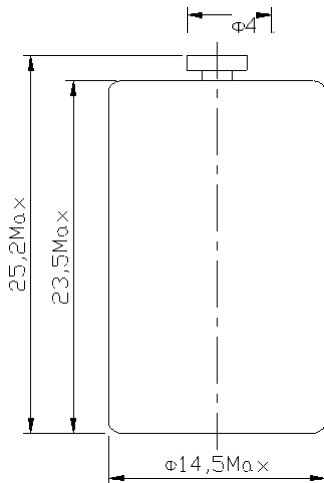
Diameter(Max)	14.5mm(0.55in)
---------------	----------------

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 similar 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

