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## Lithium Thionyl Chloride Battery Datasheet

**1.Model: ER14250 Bobbin type**

### **2.Specification**

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|------------------------------------|--------------------------------------|
| 1) Nominal voltage:                | 3.6V                                 |
| 2) Nominal capacity:               | 1200mAh(0.5mA / 2.0V)                |
| 3) Discharge end-voltage:          | 2.0V                                 |
| 4) Operating voltage:              | 3.3V(330Ω, in 5s)                    |
| 5) Max constant discharge current: | 50mA                                 |
| 6) Max. pulse current:             | 100mA                                |
| 7) Ambient temperature range:      | -55°C~ +85°C                         |
| 8) Storage life:                   | ≥10 year, Yearly self-discharge ≤ 1% |

### **3. Appearance & Dimension/Weight**

- |                    |                |
|--------------------|----------------|
| 1) Appearance:     | Cylinder Shape |
| 2) Max dimension : | φ14.5×h25.0mm  |
| 3) Max weight:     | 11g            |

### **4. Performance Testing**

Unless other request s, all tests are carried out in ambient temperature 20±5°C.

Tests should be made within 45 days after receipt of the batteries.

### Quality Data Inspection

Item	Measuring Procedure	Standard
1.Appearance	Visual check	Clean, unscratched
2.Dimensions	Measured by calipers with precision of 0.02mm	Max.φ14.5×25.0mm
3.Weight	Weighed by balance with precision of 0.1g	Max.11g
4.Open-circuit voltage	Measure by volt-meter with precision of 0.01V	≥3.65V
5.Operating voltage	Measure by volt-meter with precision of 0.01V, connecting an impedance of 1200Ωin series, Reaching the target voltage in 5 seconds.	≥3.30V
6.Nominal discharge	1.1KΩ,20±2℃, Constant discharge to 2.0V.	≥900mAh
7.Rapid discharge	330Ω,20±2℃, Constant discharge to 2.0V..	≥700mAh
8. Discharge at high temperature	Put battery in constant ambient temperature of 55±2℃ for 16 hours, discharge at 1.1KΩ to 2.0V/cell..	≥950mAh
9.Discharge at low temperature	Put battery in constant ambient temperature of -40±2℃ for 16 hours, discharge at 1.1KΩ to 2.0V/cell	≥450mAh
10.Charge	Prohibited	Prohibited
11.Over-discharge	Prohibited	Prohibited
12.Self discharge	Store the batteries at constant temperature of 20±5℃, Measure the nominal capacity yearly for 10 years.	≤1%

# SPECIFICATION

## Model:ER14250

Thionyl Chloride Lithium Battery

● Characteristics:

- ▲ Nominal capacity (0.5mA to 2.0V).....1.2Ah
- ▲ Nominal voltage.....3.6V
- ▲ Max. Continuous current.....50mA
- ▲ Max. Pulse current.....100mA
- ▲ Weight.....10g
- ▲ Dimension.....φ 14.5\*25.0mm
- ▲ Operating temperature range.....-55℃ ~ +85℃

● Terminals available:

- AX.....axial leads
- T.....welding pins
- P.....plastic plug

● Special design is acceptable

◆ Data above is for reference



## Li-SOCl<sub>2</sub>

● Characteristic curves

