Lithium Thionyl Chloride Battery Datasheet

1.Model: ER14250 Bobbin type

2. Specification

1) Nominal voltage: 3.6V

2) Nominal capacity: 1200 mAh (0.5 mA / 2.0 V)

3)Discharge end-voltage: 2.0V

4) Operating voltage: $3.3V(330\Omega, in 5s)$

5) Max constant discharge current:6) Max. pulse current:100mA

7) Ambient temperature range: $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$

8) Storage life: ≥ 10 year, Yearly self-discharge $\leq 1\%$

3. Appearance & Dimension/Weight

Appearance: Cylinder Shape
 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
		and clearly labeled
2.Dimenaions	Measured by calipers with precision of	Max.φ14.5×25.0mm
	0.02mm	
3.Weight	Weighed by balance with precision of 0.1g	Max.11g
4.Open-circuit	Measure by volt-meter with precision of	≥3.65V
voltage	0.01V	
5.Operating	Measure by volt-meter with precision of	≥3.30V
voltage	0.01V, connecting an impedance of	
	1200 Ω in series, Reaching the target voltage	
	in 5 seconds.	
6.Nominal	$1.1 \text{K}\Omega,20\pm2^{\circ}\text{C}$, Constant discharge to 2.0V.	≥900mAh
discharge		
7.Rapid discharge	$330\Omega,20\pm2^{\circ}$ C, Constant discharge to 2.0V	≥700mAh
8. Discharge at	Put battery in constant ambient temperature	≥950mAh
high temperature	of 55±2°C for 16 hours, discharge at 1.1K Ω	
	to 2.0V/cell	
9.Discharge at	Put battery in constant ambient temperature	≥450mAh
low temperature	of -40±2°C for 16 hours, discharge at	
	$1.1 \text{K}\Omega$ to 2.0V/cell	
10.Charge	Prohibited	Prohibited
11.Over-discharge	Prohibited	Prohibited
12.Self discharge	Store the batteries at constant temperature	≤1%
	of 20±5°C, Measure the nominal capacity	
	yearly for 10 years.	

SPECIFICATION

Model:ER14250

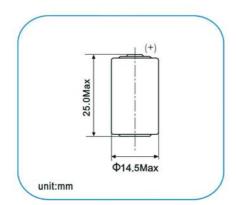
Thionyl Chloride Lithium Battery

Characteristics:

- ▲ Nominal capacity (0.5mA to 2.0V)······1.2Ah
- ▲ Nominal voltage · · · · · · · 3.6V
- ▲ Max. Continuous
- current-----50mA
- ▲ Max. Pulse current······100mA
- Operating temperature range
- Terminals available:

AX······vaxial leads
T·····welding pins
P·····plastic plug

- Special design is acceptable
- Data above is for reference



Li-SOCI₂

Characteristic curves

