Electrical characteristics

(Stored for one year or less)

- **Nominal Capacity**: 400 mAh
  - (0.5 mA to 2.0V, at 25℃)
- **Nominal voltage**: 3.6V
- **Max continuous discharge current**: 5 mA
- **Max. Pulse current**: 10 mA
  - Current value is obtaining 2.0V cell voltage when pulse is applied for 15 seconds at 50% discharge depth at 25℃
- **Storage temperature**: 20℃ ~ 30℃
- **Operating temperature**: -55℃ ~ 85℃
- **Weight (approx)**: 3.8g

**WARNING:**
- Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 100℃, incinerate or expose contents to water.

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**ER10250**

3.6V 400mAh

lithium-thionyl chloride batteries

**Key features**
- High and stable operating voltage
- Low self-discharge rate
- Less than 1% after 1 year of storage at 20℃
- Stainless steel container
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Compliant with IEC 86-4 safety standard
- Non-restricted for transport

UL Component Recognition
- File Number MH 45782

**Main applications**
- TPMS
- Alarms and security system
- Memory back-up
- Tracking system
- Automotive electronics
- Professional electronics
- Computer real-time clocks

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**Guangzhou Markyn Battery Co., Ltd.**

Unit 2310, Jiner Liser BLD, Block B1, Dashi Town, Panyu District, Guangzhou City, PRC

Tel: (86) 20-34794061  Fax: (86) 20-61906358  E-mail: info@gmbattery.com
LITHIUM BATTERIES

**ER10250**
lithium-thionyl chloride batteries

**Typical discharge at 25°C**

Voltage plateu versus Current and Temperature

**Capacity versus Current and Temperature**

<table>
<thead>
<tr>
<th>Voltage (V)</th>
<th>Time (Hour)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0</td>
<td>1</td>
</tr>
<tr>
<td>3.5</td>
<td>10</td>
</tr>
<tr>
<td>3.0</td>
<td>10^2</td>
</tr>
<tr>
<td>2.5</td>
<td>10^3</td>
</tr>
<tr>
<td>2.0</td>
<td>10^4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Current (mA)</th>
<th>Voltage (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4.0</td>
</tr>
<tr>
<td>0.1</td>
<td>3.5</td>
</tr>
<tr>
<td>0.01</td>
<td>3.0</td>
</tr>
<tr>
<td>0.001</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**Available Terminations**

- /P  Axial Pin
- /T  /PT2 Radial Pin
- /PT  /TP Polarized Tab

**Unit: mm**

- φ2 ± 0.4max
- 1.5 ± 0.3
- φ10.4max
- 25.0ax

**Specifications**

- Unit: 2310, Jiner Liser BLD, Block B1, Dashi Town, Panyu District, Guangzhou City, PRC
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