Lithium Thionyl Chloride Battery
Brief Data-sheet Model: ER13170

1. Basic Specification (Typical values relative to cells stored for one year or less at +30°C Max.)

<table>
<thead>
<tr>
<th>Item</th>
<th>Parameters</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>ER13170</td>
<td>Energy type</td>
</tr>
<tr>
<td>Nominal Capacity (mAh)</td>
<td>500</td>
<td>at 0.5mA ±23°C, 2.0V cut-off</td>
</tr>
<tr>
<td>Nominal Voltage (V)</td>
<td>3.6</td>
<td>3.65V-3.67V</td>
</tr>
<tr>
<td>Standard discharge current (mA)</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Maximum continuous current (mA)</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Maximum pulse current (mA)</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Operating temperature range (°C)</td>
<td>-55 to +85</td>
<td></td>
</tr>
<tr>
<td>Storage temperature (recommended)</td>
<td>+30°C Max.</td>
<td></td>
</tr>
<tr>
<td>Weight (g)</td>
<td>7.0</td>
<td></td>
</tr>
</tbody>
</table>

Customized a variety of JST/MOLEX/ORTH/ etc. connector, terminal, Please contact HJBP engineer.

*Energy type is bobbin structure and best suit for low current discharge.
*It may require depassivation before medium currents can be delivered.

2. Electrical Characteristics and Dimension

![Typical Discharge Characteristics at 25°C](chart1.png)

![Typical Voltage Plateau versus Current and Temperature](chart2.png)
3. Key features
- High and stable operating voltage.
- Stainless steel container
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Low self-discharge rate (less than 1% after 1 year of storage at +25°C)
- UL1642, CE certification, UN38.3, MSDS/SGS/ROHS test report, ISO19001 quality control system

4. Main applications
- Utility metering
- Automatic meter reading
- Automotive electronics
- Military electronics
- Alarms and security devices
- Tollgates systems
- Memory back-up
- Professional electronics

5. Warning
* Please keep away from fire, explosion, and severe burn hazard.
* Please do not recharge, crush, disassemble, heat above 100°C.
* Please do not solder directly to cell.

Note: Any representations in this brochure concerning performance are for informational purposes only and are not construed as warranties either expressed or implied, of future performance.