Lithium Thionyl Chloride Battery
Brief Datasheet Model: ER14505M

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>ER14505M, AA</td>
<td>Power type</td>
</tr>
<tr>
<td>Nominal Capacity (mAh)</td>
<td>2000</td>
<td>at 10mA +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>10.0</td>
<td></td>
</tr>
<tr>
<td>Maximum continuous current (mA)</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>Maximum pulse current (mA)</td>
<td>1000</td>
<td></td>
</tr>
<tr>
<td>Operating temperature range (°C)</td>
<td>-55~+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>22</td>
<td>Customized a variety of JST/MOLEX/ORTHER etc. connector, terminal Please contact HJBP engineer.</td>
</tr>
</tbody>
</table>

*The power type is spiral structure and best suit for medium-large current discharge.
*It may require depassivation before medium currents can be delivered.

2. Electrical Characteristics and Dimension

![Graph 1: ER14505M Typical Discharge Characteristics At (23 ±2 °C)](image1)

![Graph 2: ER14505M Typical Voltage Vs. Temperature](image2)
3. Key feature
★ 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 reporter, 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 Fire, explosion and severe burn hazard.
* Please do not recharge, crush, disassemble, heat above 100°C.
* Please do not solder directly to cell.

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