Lithium Thionyl Chloride Battery
Brief Datasheet Model: ER10280

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>ER10280</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~+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>5</td>
<td>Customized a variety of JST/MOLEX/ORTH etc. connector, terminal, Please contact HJBP engineer.</td>
</tr>
</tbody>
</table>

*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

Discharge characteristics at 23±2°C

![Discharge Characteristics Graph]

Capacity VS. Current

![Capacity vs. Current Graph]
3. Key feature

★ High and stable operating voltage.
★ Stainless steel container
★ Non-flammable electrolyte
★ Hermetic glass-to-mental sealing
★ 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
★ Military electronics
★ Memory back-up
★ Automatic meter reading
★ Alarms and security devices
★ Professional electronics
★ Automotive electronics
★ Tollgates systems

5. Warning

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

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