LITHIUM-LINE

LI-210 /S (ER14250HP, Size ½ AA)
Lithium Thionyl Chloride Cell - High Rate Discharge Type (Spiral)

**Electrical characteristics**
(Typical values for cells stored for one year or less at +25°C max.)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal voltage</td>
<td>3.6 V</td>
</tr>
<tr>
<td>Nominal capacity at 4 mA with 2.0 V cut off voltage (25 °C). The capacity restored by the cell varies according to current drain, temperature and cut-off voltage.</td>
<td>750 mAh</td>
</tr>
<tr>
<td>Max. recommended continuous current</td>
<td>100 mA</td>
</tr>
<tr>
<td>Pulse capability Typically up to 350 mA / 0.1 second pulses, drained every 2 min. (25°C) from undischarged cells with 10 μA base current, yield voltage readings above 3.0 V.</td>
<td>300 mA</td>
</tr>
<tr>
<td>Storage temperature (recommended for max. 60% rel. humidity, according other demands contact DYNAMIS)</td>
<td>30°C max.</td>
</tr>
<tr>
<td>Operating temperature range (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)</td>
<td>-55°C ~ +80°C</td>
</tr>
</tbody>
</table>

**Physical characteristics**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>25.4 mm</td>
</tr>
<tr>
<td>Diameter</td>
<td>14.7 mm</td>
</tr>
<tr>
<td>Weight ca.</td>
<td>10 g</td>
</tr>
</tbody>
</table>

**Drawing:**
Electrical Performance

Resistors used for current calculation: 1800 Ω (1.95 mA), 330 Ω (10 mA), 33 Ω (100 mA) and 36 kΩ for 0.99 mA.
Key features
- High and stable operating voltage
- High minimum voltage during pulse application
- Low self discharge rate (less than 1 % after 1 year of storage at +25°C)
- Stainless steel container
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- UL certified

Warning
- Fire, explosion and severe burn hazard.
- Do not recharge, crush, disassemble, heat over 100°C or incinerate.
- Do not expose cell or contents to water

Main applications
- Utility metering
- Alarms and security devices
- Memory back-up
- Tracking systems
- Automotive electronics
- Professional electronics etc.

Terminal variations
Standard /S
Solder tabs /T
Axial Pins /P
Polarized Tabs +(1)/-(2) /PT
Polarized Tabs +(2)/-(1) /PTV
Pins +(1)/-(1) /EPR

For other terminals please contact DYNAMIS.

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