**LIX-150-1520**
combination of LI-150 and SCX-1520 supercap

The Dynamis Lithium-X-Line products are parallel combinations of a bobbin type Lithium Thionyl Chloride cell and a suitable super capacitor. The total product provides the combination of high capacity of the LI-Line cell with the high pulse current discharge capability of the supercap.

### Electrical characteristics

<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</td>
<td>8.5 Ah</td>
</tr>
<tr>
<td>Max. recommended continuous current (To get 50% of nominal capacity at +25°C with 2.0 V cut off. For use with higher currents please contact DYNAMIS)</td>
<td>130 mA</td>
</tr>
<tr>
<td>Pulse capability for 1s pulses (The readings may vary according to the pulse characteristics, temperature, and the cell’s previous history)</td>
<td>2 A</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>-40°C ~ +85°C</td>
</tr>
<tr>
<td>Storage temperature (recommended, according other demands contact DYNAMIS)</td>
<td>+30°C max.</td>
</tr>
</tbody>
</table>

### Physical characteristics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>67.0 ± 0.5 mm</td>
</tr>
<tr>
<td>Diameter Ø</td>
<td>29.0 mm</td>
</tr>
<tr>
<td>Typical weight</td>
<td>67 g</td>
</tr>
</tbody>
</table>

### Self discharge current

- At 25°C: 1µA
- At 80°C: 5µA

### Drawing:

[Diagram of LIX-150-1520](image)
Key features

- High and stable voltage level
- End of life indication capability
- With PTC
- Very low self discharge rate (less than 1% after 1 year of storage at +25°C)
- Hermetic glass-to-metal sealing
- Light weight
- Safe design

Warning

- Fire, explosion and severe burn hazard.
- Do not charge the SPC higher than 4.1V, over discharge, short circuit, heat over 100°C or incinerate.
- The SPC is designed for use in a ES battery system or in low charge current as specified only. The SPC may explode or violently vent if over-charge above 4.4V.
- Do not expose cell or contents to water

Main applications

Utility metering (AMR)
Alarms and security devices
RFID Devices
Tracking systems
Sonar Buoys
Communication Equipment
Emergency and Medical Devices

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