### ENERGIZER L91
Ultimate Lithium

**Specifications**

- **Classification:** "Cylindrical Lithium"
- **Chemical System:** Lithium/Iron Disulfide (Li/FeS$_2$)
- **Designation:** ANSI 15-LF, IEC-FR6
- **Nominal Voltage:** 1.5 Volts
- **Compatible With:**
- **Storage Temp:** -40°C to 60°C (-40°F to 140°F)
- **Operating Temp:** -40°C to 60°C (-40°F to 140°F)*
- **Typical Weight:** 14.5 grams (0.5 oz.)
- **Typical Volume:** 8.0 cubic centimeters (0.49 cubic inch)
- **Max Discharge:**
  - 3.0 Amps Continuous (single battery only)
  - 5.0 Amps Pulse (2 sec on / 8 sec off)
- **Max Rev Current:** 2 uA
- **Lithium Content:** Less than 1 gram
- **Typical IR:** 60 to 210 milliohms (depending on method)
- **Shelf Life:** 20 years at 21°C
- **Shipping:** Please refer to PSDS Document

*All data shown tested at 21°C unless otherwise stated.*

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**Industry Standard Dimensions**

<table>
<thead>
<tr>
<th>mm (inches)</th>
<th>Maximum</th>
<th>Minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>(+)</td>
<td>14.50 (0.571)</td>
<td>0.10 (0.004)</td>
</tr>
<tr>
<td>(-)</td>
<td>50.50 (1.988)</td>
<td>7.00 (0.276)</td>
</tr>
<tr>
<td>(+)</td>
<td>13.50 (0.531)</td>
<td></td>
</tr>
<tr>
<td>(-)</td>
<td>49.50 (1.949)</td>
<td></td>
</tr>
</tbody>
</table>

**Discharge Profile**

Constant Current Discharge

- 1 mA
- 10 mA
- 100 mA

**Temperature Effects on Capacity**

Constant Current Discharge

- 25 mA
- 250 mA
- 1000 mA

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**Important Notice**

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ENERGIZER L91

**Internal Resistance Profile**
Cell Ohmic Resistance - Dual Pulse Method

![Resistance vs Discharge Capacity Graph]

**Typical Characteristics to 0.8 Volts**

**Pulse Response**
Open Circuit Voltage - 100/500/1k mA Pulse

![Pulse Response Graph]

**Application Tests**
Typical Characteristics to 0.8 Volts

**Constant Power Performance**

![Constant Power Performance Graph]

**Constant Current Performance**
Typical Characteristics to 0.8 Volts

![Constant Current Performance Graph]

**Application Tests**

**Industry Standard Tests**

![Industry Standard Tests Graph]

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