**Classification:** Alkaline

**Chemical System:** Zinc-Manganese Dioxide (Zn/MnO$_2$)

**Environment:** No added mercury or cadmium

**Designation:** ANSI-15A, IEC-LR6

**Nominal Voltage:** 1.5 volts

**Nominal IR:** 150 to 300 milliohms (fresh)

**Operating Temp:** -18°C to 55°C (0°F to 130°F)

**Typical Weight:** 24.0 grams (0.8 oz.)

**Typical Volume:** 8.1 cubic centimeters (0.5 cubic inch)

**Jacket:** Plastic Label

**Shelf Life:** 12 years at 21°C

**Terminal:** Flat Contact

**More Details:** On-Line Catalog-Application Manual

---

### Specifications

**Industry Standard Dimensions**

<table>
<thead>
<tr>
<th>mm (inches)</th>
<th>Typical</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 (0.039)</td>
<td>Minimum</td>
</tr>
<tr>
<td>13.50 (0.531)</td>
<td></td>
</tr>
<tr>
<td>14.50 (0.571)</td>
<td>Maximum</td>
</tr>
<tr>
<td>5.00 (0.217)</td>
<td></td>
</tr>
</tbody>
</table>

**Milliamp-Hours Capacity**

Continuous discharge to 0.8 volts at 21°C

---

**Constant Power Performance**

Typical Characteristics (21°C)

<table>
<thead>
<tr>
<th>Service (hours)</th>
<th>Discharge (mW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>1.2 Volts</td>
</tr>
<tr>
<td>10</td>
<td>0.9 Volts</td>
</tr>
</tbody>
</table>

**Constant Current Performance**

Typical Characteristics (21°C)

<table>
<thead>
<tr>
<th>Service (hours)</th>
<th>Discharge (mA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>0.8 Volts</td>
</tr>
<tr>
<td>1000</td>
<td>1.0 Volts</td>
</tr>
</tbody>
</table>

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**Important Notice**

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ENERGIZER XR91

Typical Discharge Profiles

100 mW Continuous Discharge (21°C)

250 mA Continuous Discharge (21°C)

Industry Standard Tests (21°C)

REMOTE/RADIO/CLOCK
52 mA 1 hr/8 hrs day

PORTABLE LIGHTING
3.3 ohm LIF

TOY
3.9 ohm 1 hr/day

CD/GAMES
250 mA 1 hr/day

DIGITAL AUDIO
100 mA 1 hr/day

DIGITAL CAMERA
1.5K/.65K mW 2./1./27.9s 10x

PERSONAL GROOMING
750 mA 2 min/hr 8 hrs day

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