**ENERGIZER CR2016**

**Industry Standard Dimensions**

mm (inches)

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>+ diameter</td>
<td>1.40 (0.055)</td>
<td>1.47 (0.058) Ref.</td>
</tr>
<tr>
<td>- diameter</td>
<td>1.60 (0.063)</td>
<td>1.22 (0.048) Ref.</td>
</tr>
<tr>
<td>Thickness</td>
<td>0.08 (0.003) Minimum Ref.</td>
<td>0.20 (0.008) Maximum Ref.</td>
</tr>
</tbody>
</table>

Permissible deflection from a flat.

**Simulated Application test**

Typical Performance at 21°C (70°F)

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Typical Drains: Load  Cutoff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous</td>
<td>0.095 (mA) 30,000 (ohms) 960 (hours)</td>
</tr>
</tbody>
</table>

**Typical Discharge Characteristics**

**Load:** 30K ohms - Continuous

**Typical Drain @ 2.9V:** 0.095 mA

**Specifications**

**Lithium Coin**

<table>
<thead>
<tr>
<th>Classification:</th>
<th>&quot;Lithium Coin&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical System:</td>
<td>Lithium / Manganese Dioxide (Li/MnO₂)</td>
</tr>
<tr>
<td>Nominal Voltage:</td>
<td>3.0 Volts</td>
</tr>
<tr>
<td>Typical Capacity:</td>
<td>90 mAh (to 2.0 volts)</td>
</tr>
<tr>
<td>(Rated at 30K ohms at 21°C)</td>
<td></td>
</tr>
<tr>
<td>Typical Weight:</td>
<td>1.9 grams (0.07 oz.)</td>
</tr>
<tr>
<td>Typical Volume:</td>
<td>0.5 cubic centimeters (0.03 cubic inch)</td>
</tr>
<tr>
<td>Max Rev Charge:</td>
<td>1 microampere</td>
</tr>
<tr>
<td>Energy Density:</td>
<td>122 milliwatt hr/g, 464 milliwatt hr/cc</td>
</tr>
<tr>
<td>Typical Li Content:</td>
<td>0.036 grams (0.0013 oz.)</td>
</tr>
<tr>
<td>Operating Temp:</td>
<td>-30°C to 60°C</td>
</tr>
<tr>
<td>Self Discharge:</td>
<td>~1% / year</td>
</tr>
</tbody>
</table>

**Safety:**

(1) **KEEP OUT OF REACH OF CHILDREN.** Swallowing may lead to serious injury or death in as little as 2 hours due to chemical burns and potential perforation of the esophagus. **Immediately see doctor; have doctor phone (202) 625-3333.**

(2) **Battery compartment design.** To prevent children from removing batteries, battery compartments should be designed with one of the following methods: a) a tool such as screwdriver or coin is required to open battery compartment or b) the battery compartment door/cover requires the application of a minimum of two independent and simultaneous movements of the securing mechanism to open by hand. Screws should remain captive with the battery door or cover.

**Pulse Discharge Characteristics**

Pulse Test at 21°C (70°F)

| Bkgnd Drain: Continuous 30K ohms 0.095 mA @2.9V |
| Pulse Drain: 2 seconds X 12 times/day 400 ohms 6.8 mA @2.7V |

**Important Notice**

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