**Enervizer CR2032**

**Industry Standard Dimensions**

<table>
<thead>
<tr>
<th>mm (inches)</th>
<th>3.20 (0.126)</th>
<th>2.90 (0.114)</th>
<th>20.00 (0.787)</th>
<th>19.70 (0.776)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum</td>
<td>17.70 (0.697)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minimum</td>
<td>0.20 (0.008)</td>
<td>0.10 (0.004)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Specifications**

**Classification:** "Lithium Coin"

**Chemical System:** Lithium / Manganese Dioxide (Li/MnO$_2$)

**Designation:** ANSI / NEDA-5004LC, IEC-CR2032

**Nominal Voltage:** 3.0 Volts

**Typical Capacity:** 235 mAh (to 2.0 volts)

(Rated at 15K ohms at 21°C)

**Typical Weight:** 3.0 grams (0.10 oz.)

**Typical Volume:** 1.0 cubic centimeters (0.06 cubic inch)

**Max Rev Charge:** 1 microampere

**Energy Density:** 198 milliwatt hr/g, 653 milliwatt hr/cc

**Typical Li Content:** 0.109 grams (0.0038 oz.)

**Operating Temp:** -30°C to 60°C

**Self Discharge:** ~1% / year

**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.

**Simulated Application test**

Typical Performance at 21°C (70°F)

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Typical Drains:</th>
<th>Load</th>
<th>Cutoff</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>at 2.9V</td>
<td>(mA)</td>
<td>2.0V</td>
</tr>
<tr>
<td>Continuous</td>
<td></td>
<td>(ohms)</td>
<td>(hours)</td>
</tr>
<tr>
<td></td>
<td>0.19</td>
<td>15,000</td>
<td>1235</td>
</tr>
</tbody>
</table>

**Continuous Discharge Characteristics**

**Load:** 15K ohms - continuous 21°C (70°F)

**Typical Drain @ 2.9V:** 0.19 mA

**Pulse Discharge Characteristics**

**Pulse Test at 21°C (70°F)**

**Bkgnd Drain:** Continuous

21°C (70°F) 15K ohms

0.19 mA @ 2.9V

**Pulse Drain:** 2 seconds X 12 times/day

400 ohms

~6.8 mA @ 2.7V

**Important Notice**

This datasheet contains typical information specific to products manufactured at the time of its publication. Values are for reference purposes and not intended for specific calculations.

©Energizer Brands, LLC. - Contents herein do not constitute a warranty.

Form No. CR2032EU0118