**ENERGIZER CR1616**

**Lithium Coin**

**Specifications**

- **Classification:** "Lithium Coin"
- **Chemical System:** Lithium / Manganese Dioxide (Li/MnO$_2$)
- **Designation:** IEC-CR1616
- **Nominal Voltage:** 3.0 Volts
- **Typical Capacity:** 55 mAh (to 2.0 volts)
- **Typical Weight:** 1.1 grams (0.04 oz.)
- **Typical Volume:** 0.32 cubic centimeters (0.02 cubic inch)
- **Max Rev Charge:** 1 microampere
- **Energy Density:** 133 milliwatt hr/g, 498 milliwatt hr/cc
- **Typical Li Content:** 0.014 grams (0.0005 oz.)
- **Operating Temp:** -30°C to 70°C
- **Self Discharge:** ~1% / year

### Safety:

**WARNING**

1. **(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. **(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.

### Internal Resistance Characteristics

**Pulse Test at 21°C (70°F)**

- **Bkgnd Drain:** Continuous
  - 30K ohms
  - 0.097 mA @2.9V
- **Pulse Drain:** 2 seconds X 12 times/day
  - 400 ohms
  - 6.6 mA @2.65V

### Specific Power

**Rated at 30K ohms at 21°C**

<table>
<thead>
<tr>
<th>IR, ohms</th>
<th>Voltage, CCV</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
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<tr>
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<td>2.0</td>
</tr>
<tr>
<td>2</td>
<td>1.8</td>
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</tbody>
</table>

**Capacity, mAh**

- **Bkgnd**
  - 120 mAh
- **Pulse**
  - 50 mAh

### Important Notice

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