**ENERGIZER ECRN2032**

**Industrial**

**Industry Standard Dimensions**

mm (inches)

![Image of industry standard dimensions]

**Classification:** "Lithium Coin"

**Chemical System:** Lithium / Manganese Dioxide (Li/MnO₂)

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

**Nominal Voltage:** 3.0 Volts

**Typical Capacity:** 254 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)

**Typical Li Content:** 0.11 grams

**Operating Temp:** -30°C to 60°C

**Self Discharge:** ~1% / year @ 21°C

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**General Information**

**Load Cutoff**

2.0V (ohms) (hours)

<table>
<thead>
<tr>
<th>Load</th>
<th>Cutoff</th>
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<tbody>
<tr>
<td>15,000</td>
<td>1352</td>
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</table>

**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

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**Simulated Application test**

Typical Performance at 21°C (70°F)

Schedule: Typical Drains: Load Cutoff
at 2.9V (mA) (ohms) (hours)

Continuous 0.19 15,000 1352

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**Important Notice**

This datasheet contains typical information specific to products manufactured at the time of its publication. Contents herein do not constitute a warranty and are for reference only.

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**Lithium Coin**

**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** (800) 498-8666.

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.

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**Continuous Discharge Characteristics**

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

Typical Drain @ 2.9V: 0.19 mA

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**Pulse Discharge Characteristics**

Pulse Test at 21°C (70°F)

**Bknd 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

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**WARNING**

0.10 (0.004) Minimum Ref.

( Applies to top edge of gasket or edge of crimp, whichever is higher.)

0.20 (0.008) Maximum Ref.

Permissible deflection from a flat.

**IR, ohms**

**Voltage, CCV**

**Capacity, mAh**