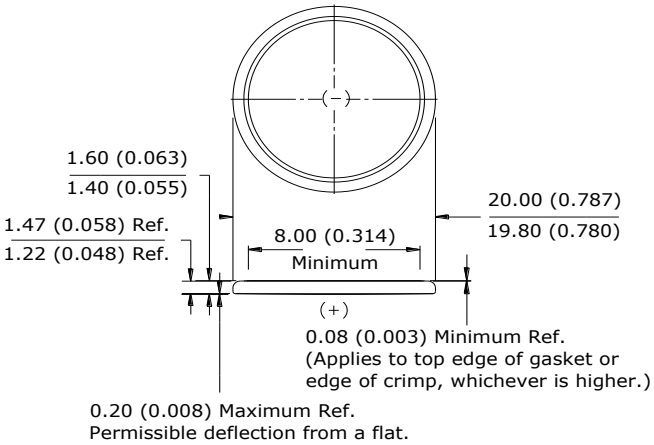
# ENERGIZER CR2016

Lithium Coin

## Industry Standard Dimensions

mm (inches)




## Simulated Application test

Typical Performance at 21°C (70°F)

| Schedule: | Typical Drains: at 2.9V (mA) | Load (ohms) | Cutoff 2.0V (hours) |
|---|---|---|---|
| Continuous | 0.1 | 30,000 | 1040 |

## Typical Discharge Characteristics

**Load:** 30K ohms - Continuous
**Typical Drain @ 2.9V:** 0.097 mA


## Specifications

| | |
|---|---|
| **Classification:** | "Lithium Coin" |
| **Chemical System:** | Lithium / Manganese Dioxide ($Li/MnO_2$) |
| **Designation:** | ANSI / NEDA-5000LC, IEC-CR2016 |
| **Nominal Voltage:** | 3.0 Volts |
| **Typical Capacity:** | 100 mAh (to 2.0 volts)<br>(Rated at 30K ohms at 21°C) |
| **Typical Weight:** | 1.9 grams (0.07 oz.) |
| **Typical Volume:** | 0.5 cubic centimeters (0.03 cubic inch) |
| **Max Rev Charge:** | 1 microampere |
| **Energy Density:** | 122 milliwatt hr/g, 464 milliwatt hr/cc |
| **Typical Li Content:** | 0.036 grams (0.0013 oz.) |
| **Operating Temp:** | -30C to 60C |
| **Self Discharge:** | ~1% / year |

**Safety**: ⚠ WARNING

**(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.

**(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
0.1 mA @2.9V

**Pulse Drain:** 2 seconds X 12 times/day
400 ohms
6.8 mA @2.7V