ENERGIZER CR2032
Ultimate Lithium

Industry Standard Dimensions
mm (inches)

[Diagram showing dimensions]

0.20 (0.008) Maximum Ref.
Permissible deflection from a flat.

0.10 (0.004) Minimum Ref.
(Applies to top edge of gasket or edge of crimp, whichever is higher.)

Simulated Application test
Typical Performance at 21°C (70°F)

Schedule: Typical Drains: Load Cutoff
Continuous at 2.9V (mA) (ohms) 2.0V (hours)
0.19 15,000 1352

Continuous Discharge Characteristics

[Graph showing voltage over time]

Load: 15K ohms - continuous 21°C (70°F)
Typical Drain @ 2.9V: 0.19 mA

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.

Lithium Coin

General Information
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

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. 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.

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

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