ENERGIZER CR2032

Industry Standard Dimensions
mm (inches)

3.20 (0.126) 2.90 (0.114)
17.70 (0.697) Maximum
19.70 (0.776)

3.20 (0.126) Maximum Ref.
Permissible deflection from a flat.

2.90 (0.114) 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) (hours)
0.19 15,000 1245

Continuous Discharge Characteristics

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

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. Contents herein do not constitute a warranty and are for reference only.

Specifications

Classification: "Lithium Coin"
Chemical System: Lithium / Manganese Dioxide (Li/MnO₂)
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 (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.