ENERGIZER CR2025

Industry Standard Dimensions

mm (inches)

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

2.50 (0.098)
2.20 (0.087)
2.18 (0.086) Ref.
1.88 (0.074) Ref.

20.00 (0.787) 19.70 (0.776)
8.00 (0.315) 6.03 (0.001) 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 0.19 15,000 890

Volts, CCV

0 200 400 600 800 1000

Service, Hours

0 2.0 2.8 3.6

3.2

0 25 50 75 100 125 150 170

Capacity, mAh

0 20 40 60 80 100 120

IR, ohms

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-5003LC, IEC-CR2025
Nominal Voltage: 3.0 Volts
Typical Capacity: 170 mAh (to 2.0 volts)
(Rated at 15K ohms at 21°C)
Typical Weight: 2.6 grams (0.08 oz.)
Typical Volume: 0.8 cubic centimeters (0.05 cubic inch)
Max Rev Charge: 1 microampere
Energy Density: 176 milliwatt hr/g, 616 milliwatt hr/cc
Typical Li Content: 0.078 grams (0.0028 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.

Internal Resistance Characteristics

Pulse Test at 21°C (70°F)

Bknd Drain: Continuous
15K ohms
0.19 mA @2.9V

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