

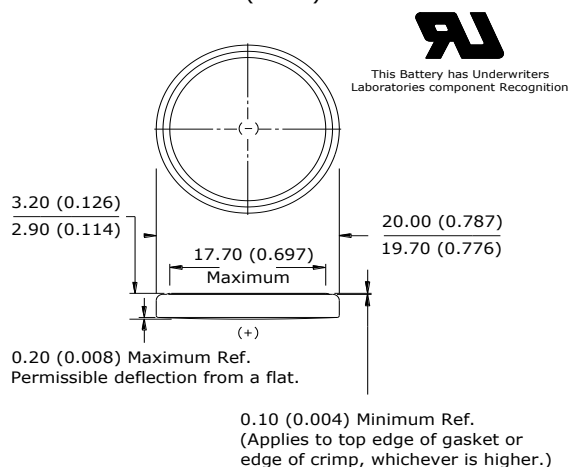
ENERGIZER CR2032

Lithium Coin



Industry Standard Dimensions

mm (inches)



Classification:

Chemical System:

Designation:

Nominal Voltage:

Typical Capacity:

Specifications

"Lithium Coin"

Lithium / Manganese Dioxide (Li/MnO₂)

ANSI / NEDA-5004LC, IEC-CR2032

3.0 Volts

240 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 IR:

10,000 - 40,000 mΩ

Max Rev Charge:

1 microampere

Energy Density:

198 milliwatt hr/g, 653 milliwatt hr/cc

Typical Li Content:

0.109 grams (0.0038 oz.)

UL Recognized:

MH29980

Operating Temp:

-30C to 60C

Self Discharge:

~1% / year

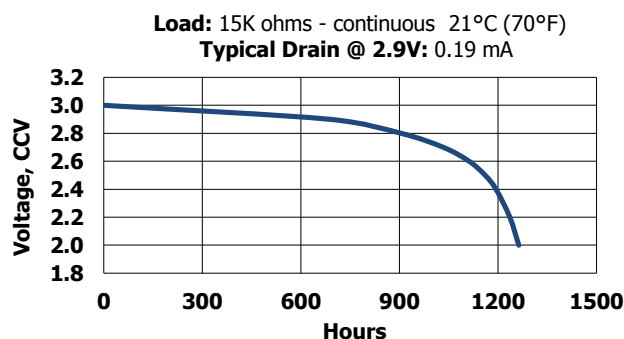
Safety:



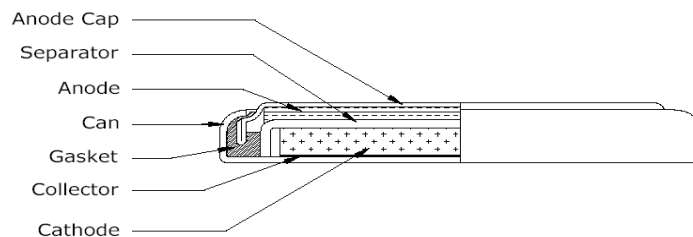
(1) KEEP OUT OF REACH OF CHILDREN. Swallowing may lead to serious injury or death in as little as 2 hours due to chemical burns and potential perforation of the esophagus. **Immediately see doctor; have doctor phone (202) 625-3333.**

(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.

Continuous Discharge Characteristics



Cross Section



Simulated Application test

Typical Performance at 21°C (70°F)

Schedule:	Typical Drains: at 2.9V (mA)	Load (ohms)	Cutoff 2.0V (hours)
Continuous	0.19	15,000	1263

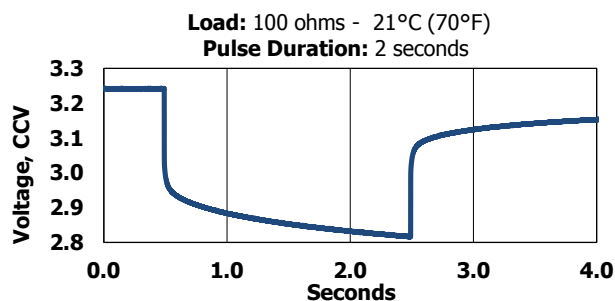
Important Notice

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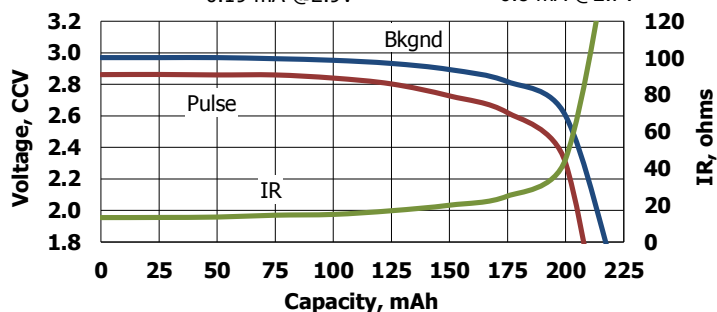
Lithium Coin

Pulse Characteristics

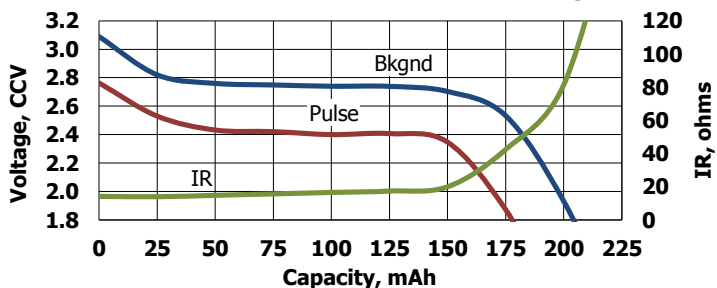


Pulse Discharge Characteristics

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



Bkgnd Drain: None 21°C (70°F)
Pulse Drain: 1mSec ON / 14mSec OFF 120 ohms ~23 mA @2.7V



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