

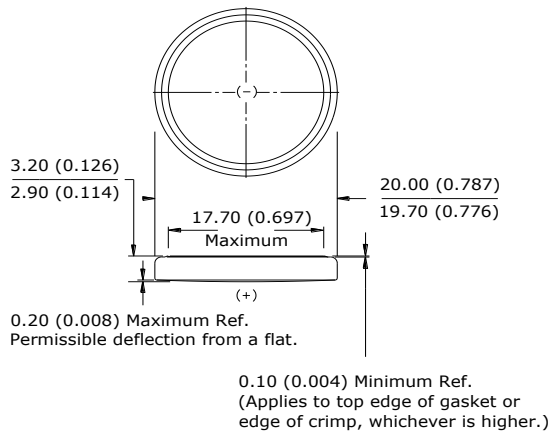
# ENERGIZER CR2032

# Lithium Coin



## Industry Standard Dimensions

mm (inches)



## Specifications

- Classification:** "Lithium Coin"
- Chemical System:** Lithium / Manganese Dioxide (Li/MnO<sub>2</sub>)
- Designation:** ANSI / NEDA-5004LC, IEC-CR2032
- Nominal Voltage:** 3.0 Volts
- Typical Capacity:** 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)
- 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:** -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.

## Simulated Application test

Typical Performance at 21°C (70°F)

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

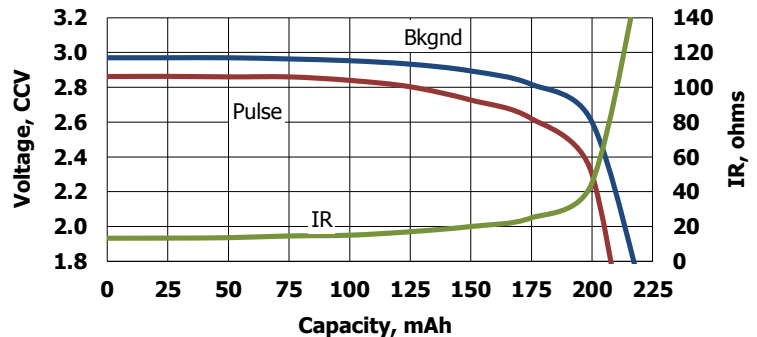
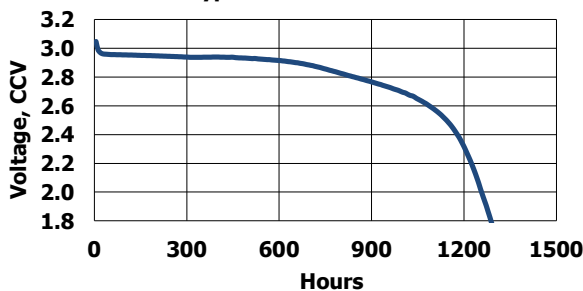
## Pulse Discharge Characteristics

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

## Continuous Discharge Characteristics

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.

Values are for reference purposes and not intended for specific calculations.

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