

# ENERGIZER CR2450

## Lithium Coin

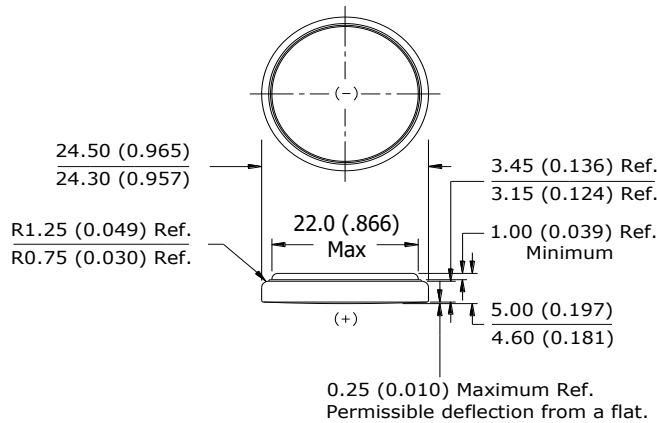


### General Information

**Classification:** "Lithium Coin"  
**Chemical System:** Lithium / Manganese Dioxide (Li/MnO<sub>2</sub>)  
**Designation:** ANSI / NEDA-5029LC, IEC-CR2450  
**Nominal Voltage:** 3.0 Volts  
**Typical Capacity:** 620 mAh (to 2.0 volts)  
 (Rated at 7.5K ohms at 21°C)  
**Typical Weight:** 6.8 grams (0.22 oz.)  
**Typical Volume:** 2.4 cubic centimeters (0.14 cubic inch)  
**Max Rev Charge:** 1 microampere  
**Energy Density:** 183 milliwatt hr/g, 647 milliwatt hr/cc  
**Typical Li Content:** < 0.3g  
**Operating Temp:** -30C to 60C  
**Self Discharge:** ~1% / year

### Industry Standard Dimensions

mm (inches)



### 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.

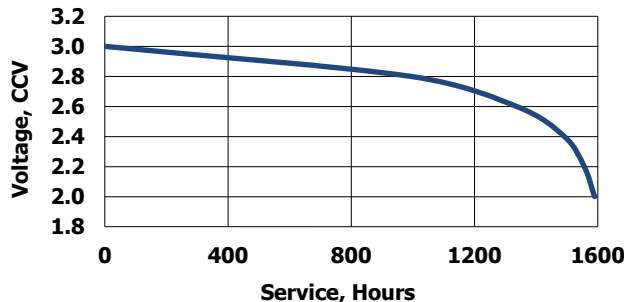
### Simulated Application test

Typical Performance at 21°C (70°F)

Schedule:	Typical Drains: at 2.9V (mA)	Load (ohms)	Cutoff 2.0V (hours)
Continuous	0.39	7,500	1,590

### Typical Discharge Characteristics

**Load:** 7.5K ohms - Continuous  
**Typical Drain @ 2.9V:** 0.39 mA

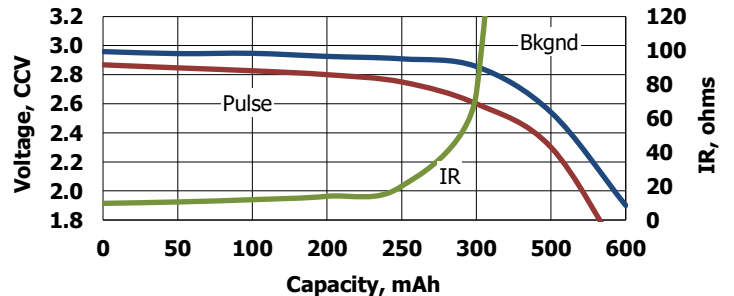


### Internal Resistance Characteristics

Pulse Test at 21°C (70°F)

**Bkgnd Drain:** Continuous  
 7.5K ohms  
 0.39 mA @2.9V

**Pulse Drain:** 2 seconds X 12 times/day  
 300 ohms  
 9.0 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.**