

ENERGIZER CR2450

Lithium Coin

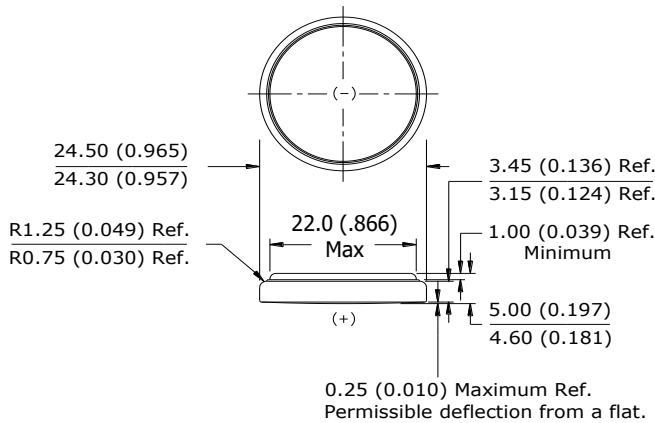


General Information

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

Internal Resistance Characteristics

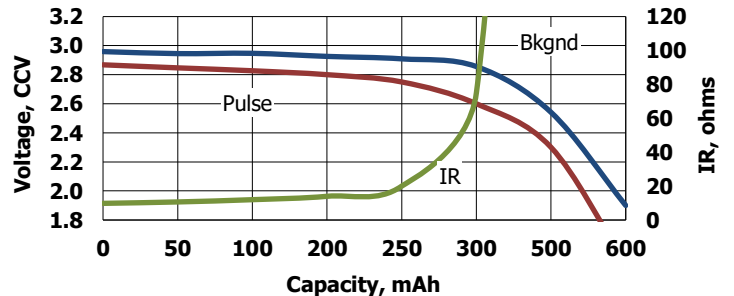
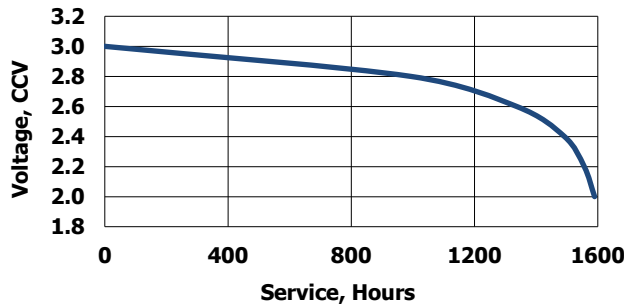
Pulse Test at 21°C (70°F)

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

Typical Discharge Characteristics

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



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.**