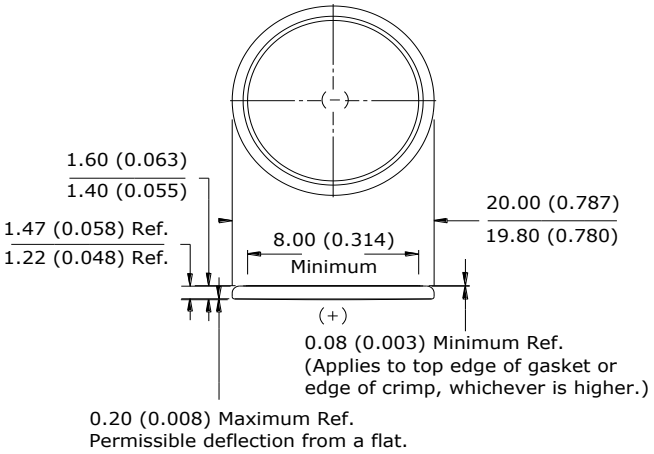
ENERGIZER CR2016

Lithium Coin

Industry Standard Dimensions

mm (inches)



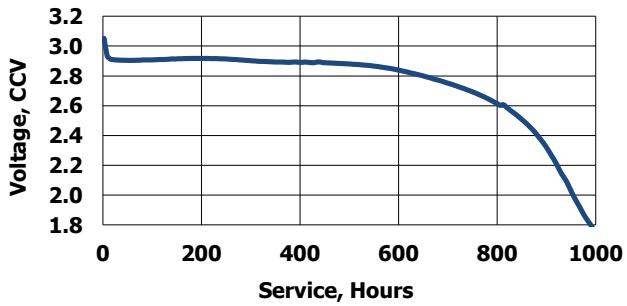
Simulated Application test

Typical Performance at 21°C (70°F)

Schedule:	Typical Drains: at 2.9V (mA)	Load (ohms)	Cutoff 2.0V (hours)
Continuous	0.095	30,000	960

Typical Discharge Characteristics

Load: 30K ohms - Continuous
Typical Drain @ 2.9V: 0.095 mA



Specifications

Classification:	"Lithium Coin"
Chemical System:	Lithium / Manganese Dioxide (Li/MnO_2)
Designation:	ANSI / NEDA-5000LC, IEC-CR2016
Nominal Voltage:	3.0 Volts
Typical Capacity:	90 mAh (to 2.0 volts) (Rated at 30K ohms at 21°C)
Typical Weight:	1.9 grams (0.07 oz.)
Typical Volume:	0.5 cubic centimeters (0.03 cubic inch)
Max Rev Charge:	1 microampere
Energy Density:	122 milliwatt hr/g, 464 milliwatt hr/cc
Typical Li Content:	0.036 grams (0.0013 oz.)
Operating Temp:	-30C to 60C
Self Discharge:	~1% / year

Safety:

⚠ WARNING

(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.**

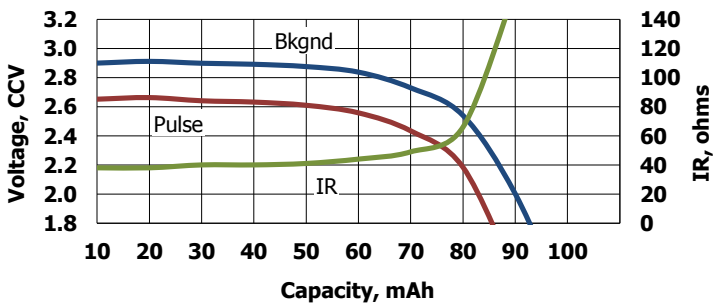
(2) Battery compartment design. To prevent children from removing batteries, battery compartments should be designed with one of the following methods: a) a tool such as screwdriver or coin is required to open battery compartment or b) the battery compartment door/cover requires the application of a 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.

Pulse Discharge Characteristics

Pulse Test at 21°C (70°F)

Bkgnd Drain: Continuous
30K ohms
0.095 mA @2.9V

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



Important Notice

This datasheet contains typical information specific to products manufactured at the time of its publication.
Values are for referencepurposes and not intended for specific caculations.
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