

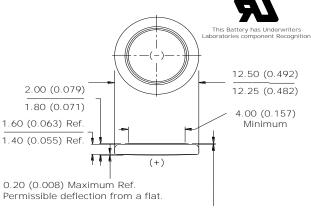
# **ENERGIZER CR1220**

# Lithium Coin



### **Industry Standard Dimensions**

mm (inches)



0.03 (0.001) Minimum Ref. (Applies to top edge of gasket or edge of crimp, whichever is higher.)

### **Simulated Application test**

Typical Performance at 21°C (70°F)

Schedule:	Typical Drains:	Load	Cutoff
	at 2.85V		2.0V
	(mA)	(ohms)	(hours)
Continuous	0.064	45,000	628

# **Typical Discharge Characteristics**

Load: 45K ohms - Continuous Typical Drain @ 2.9V: 0.064 mA



## **Specifications**

Classification: "Lithium Coin"

**Chemical System:** Lithium / Manganese Dioxide (Li/MnO<sub>2</sub>)

**Designation:** ANSI-5012LC, IEC-CR1220

Nominal Voltage: 3.0 Volts

**Typical Capacity:** 40 mAh (to 2.0 volts)

(Rated at 45K ohms at 21°C)

**Typical Weight:** 0.78 grams (0.03 oz.)

**Typical Volume:** 0.25 cubic centimeters (0.02 cubic inch)

Max Rev Charge: 1 microampere

**Energy Density:** 153 milliwatt hr/g, 464 milliwatt hr/cc

**Typical Li Content:** 0.006 grams (0.0002 oz.)

UL Recognized: MH29980 Operating Temp: -30C to 70C Self Discharge: ~1% / year

Safety: A 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.

#### **Internal Resistance Characteristics**

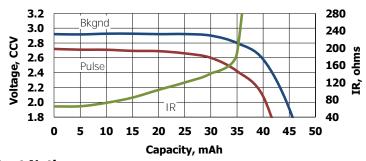
Pulse Test at 21°C (70°F)

**Bkgnd Drain:** Continuous

62K ohms 0.046 mA @2.85V

Pulse Drain: 2 seconds X 12 times/day

1K ohms 2.8 mA @2.65V



#### **Important Notice**

This datasheet contains typical information specific to products manufactured at the time of its publication.

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