

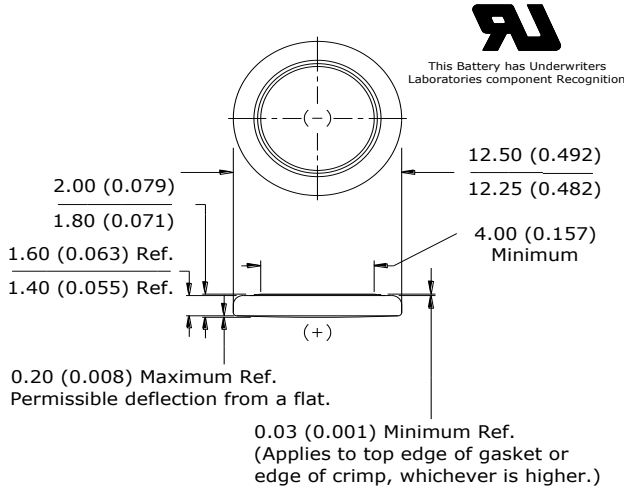
# ENERGIZER CR1220

## Lithium Coin



### Industry Standard Dimensions

mm (inches)



### Simulated Application test

Typical Performance at 21°C (70°F)

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

### Typical Discharge Characteristics

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

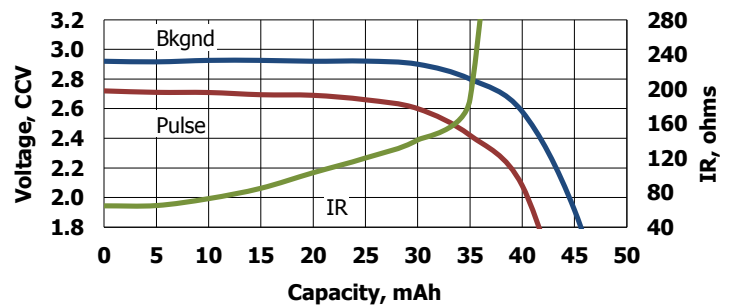


### Internal Resistance Characteristics

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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### 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 :



**(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.