**Classification**: "Lithium Coin"

**Chemical System**: Lithium / Manganese Dioxide (Li/MnO₂)

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

**Nominal Voltage**: 3.0 Volts

**Typical Capacity**: 37 mAh (to 2.0 volts)

(Rated at 45K ohms at 21°C)

**Typical Weight**: 0.8 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.)

**Operating Temp**: -30°C to 70°C

**Self Discharge**: ~1% / year

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**Industry Standard Dimensions**

**mm (inches)**

- 2.00 (0.079)
- 1.80 (0.071)
- 1.60 (0.063) Ref.
- 1.40 (0.055) Ref.
- 12.50 (0.492)
- 12.25 (0.482)
- 4.00 (0.157) Minimum
- 0.20 (0.008) Maximum Ref.
- 0.03 (0.001) Minimum Ref. (Applies to top edge of gasket or edge of crimp, whichever is higher.)

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**Simulated Application test**

Typical Performance at 21°C (70°F)

**Schedule:**

- Continuous

**Typical Drains:**

- at 2.85V (mA)
- Load (ohms)
- Cutoff (hours)

- 0.046
- 62,000
- 800

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**Typical Discharge Characteristics**

- **Load**: 45K ohms - Continuous
- **Typical Drain @ 2.9V**: 0.046 mA

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**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 @2.8V

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**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 (800) 498-8666.**

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.

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**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.**