ENGERIZER NO. CR2012

Industry Standard Dimensions

mm (inches)

1.20 (0.047) Ref.
1.00 (0.039) Ref.
1.04 (0.041) Ref.
0.88 (0.035) Ref.

20.00 (0.787) Ref.
19.70 (0.776) Ref.

8.00 (0.314) Ref.
Minimum

0.20 (0.008) Maximum Ref.
Permissible deflection from a flat.

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:
Continuous

Typical Drains:
at 2.9V
(mA)

Load
Cutoff
2.0V
(hours)

30,000
598

0.097

Typical Drain Characteristics
Load: 30K ohms - Continuous
Typical Drain @ 2.9V: 0.097 mA

Specifications

Classification: "Lithium Coin"
Chemical System: Lithium / Manganese Dioxide (Li/MnO₂)
Nominal Voltage: 3.0 Volts
Typical Capacity: 58 mAh (to 2.0 volts)
Typical Weight: 1.3 grams (0.04 oz.)
Max Rev Charge: 1 microampere
Energy Density: 129 milliwatt hr/g, 561 milliwatt hr/cc
Typical Li Content: 0.017 grams (0.0006 oz.)
Operating Temp: -30°C to 60°C
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 (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.

Internal Resistance Characteristics
Pulse Test at 21°C (70°F)

Bkgnd Drain: Continuous
30K ohms
0.097 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. Contents herein do not constitute a warranty and are for reference only.