

ECR2016BP

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ECR2016BP

Manufacturer Part Number	ECR2016BP
Description	LITHIUM BATTERY, 3V, COIN CELL
Manufacturer	Energizer Battery Company
Type	Coin Cell Battery

Specifications of ECR2016BP

Battery Size Code	Coin Cell	Battery Capacity	80mAh
Battery Voltage	3V	Battery Technology	Lithium
Battery Terminals	Pressure Contact	External Diameter	20mm
External Height	1.6mm	Battery Cell Size	CR2016
Output Voltage	3 V	Chemistry	Lithium / Manganese Dioxide
Termination Style	Pressure	Rechargeable/non-rechargeable	Non-Rechargeable
Lead Free Status / RoHS Status	na		

ECR2016BP datasheet

PRODUCT DATASHEET

1-800-383-7323 USA/CAN
www.energizer.com

ENERGIZER CR2016

Lithium Coin

Specifications

Industry Standard Dimensions
 mm (inches)

This Battery has Underwriters Laboratories component Recognition

- Classification:** "Lithium Coin"
- Chemical System:** Lithium / Manganese Dioxide (Li/MnO₂)
- 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.)
- UL Listed:** MH12454
- Shipping:** For complete details, please reference:
Special Provision A45 of the International Air Transport Association Dangerous Global (except US):

1.60 (0.063)
 1.40 (0.055)
 1.47 (0.058) Ref.
 1.22 (0.048) Ref.

8.00 (0.314)
 Minimum

20.00 (0.787)
 19.80 (0.780)

0.08 (0.003) Minimum Ref.
 (Applies to top edge of gasket or edge of crimp, whichever is higher.)

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

Goods Regulations
 United States: 49 CFR 173.185

Safety - lithium coin batteries lodged in the esophagus should be removed immediately. Leakage, chemical burns and potential perforation can occur within hours of ingestion. Seek medical attention immediately. Have physician call the NATIONAL BATTERY INGESTION HOTLINE for advice and follow-up (202)-625-3333 collect day or night.

Cross Section

Simulated Application test

Typical Performance at 21°C (70°F)

Schedule:	Typical Drains: at 2.9V (mA)	Load (ohms)	Cutoff 2.0V (hours)
Continuous	0.097	30,000	928

Internal Resistance Characteristics

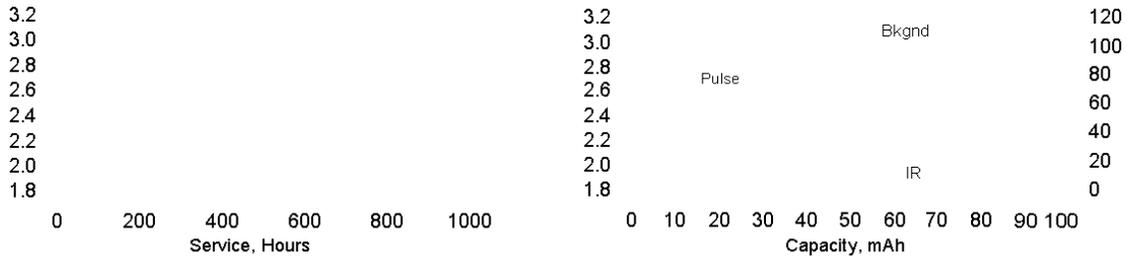
Pulse Test at 21°C (70°F)

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

Typical Discharge Characteristics

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



Important Notice

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