Eveready Battery Company, Inc.

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St. Louis, MO 63141
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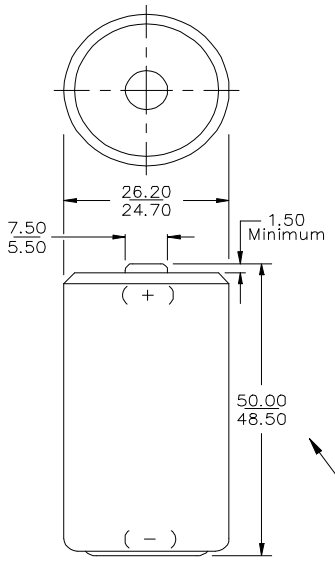
Engineering Data

D
Rechargeable **1.2V**
Nickel-Cadmium

ENERGIZER NO. CH35

Dimensions (mm)

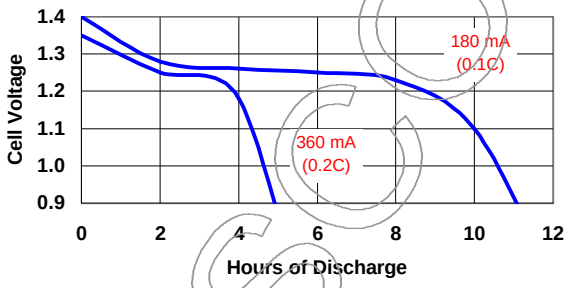


Millimeters	Inches
1.50	0.059
5.50	0.217
7.50	0.295
24.70	0.972
26.20	1.031
48.50	1.909
50.00	1.969

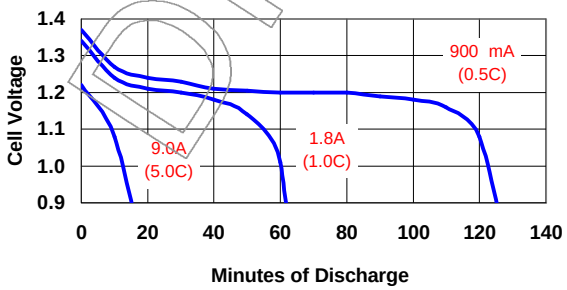
Chemical System: Nickel-Cadmium (NiCd)

Designation:ANSI / NEDA-10014, IEC-KR27/50
Battery Voltage: 1.2 Volts
Average Weight: 54 grams (1.9 oz.)
Volume: 26.9 cubic centimeters (1.6 cubic inch)
Terminals: Flat Contact
Rated Capacity: (to 1.0 Volt): 1.8 Ah
(Based on 360 mA (0.2C) discharge rate)
Maximum Charge Rate: 540 mA
Jacket: Plastic

TYPICAL DISCHARGE CHARACTERISTICS
Average Performance at 21ºC (70ºF)



TYPICAL DISCHARGE CHARACTERISTICS
Average Performance at 21ºC (70ºF)



Internal resistance

The internal resistance of the cell varies with state of charge, as follows:

Cell Charged	Cell 1/2 Discharged
20 milliohms	30 milliohms

(Tolerance of ±20% applies to above values)

AC Impedance (No Load)

The impedance of the charged cell varies with frequency, as follows:

Frequency (Hz)	Impedance (milliohms) (Charged Cell)
50	12
1000	11
10000	14

Note: Above values based on AC current set at 1.0 ampere.
Value tolerances are ±20%

Operating and Storage Temperatures

Ranges of temperature applicable to operation of the CH35 cells are:

Charge @ 0.1C: 32ºF to 122ºF (0ºC to 50ºC)
Discharge @ 0.1C: – 4ºF to 122ºF (-20ºC to 50ºC)
Storage: – 40ºF to 140ºF (-40ºC to 60ºC) (6 Months Max.)
– 4ºF to 95ºF (-20ºC to 35ºC) (2 Years Max.)

Operating at extreme temperature will significantly effect service and cycle life.

Important Notice

This data sheet contains information specific to batteries manufactured at time of its publication. Please contact your Energizer representative for most current information. Contents herein do not constitute a warranty.