ENERGIZER NO. NH12

Industry Standard Dimensions in mm (inches)

- 10.50 (0.413)
- 9.50 (0.374)
- 3.80 (0.150)
- 2.00 (0.079)
- 0.80 (0.031)
- 4.45 (0.1752)
- 4.30 (0.1705)

**Description:** Rechargeable 1.2V

**Chemical System:** Nickel-Metal Hydride (NiMH)

**Designation:** ANSI-1.2H1

**Battery Voltage:** 1.2 Volts

**Average Capacity:**
850 mAh (to 1.0 volts)
(Based on 170 mA (0.2C) discharge rate)

**Average Weight:** 12.0 grams (0.4 oz.)

**Volume:**
3.8 cubic centimeters (0.2 cubic inch)

**Jacket:** Plastic Label

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

- **Cell Charged:**
  - 100 milliohms

- **Cell 1/2 Discharged:**
  - 1200 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):** 1000
- **Impedance (milliohms):** 35

**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 NH12 cells are:

- **Charge @ 0.1C:** 32°F to 122°F (0°C to 50°C)
- **Discharge @ 0.1C:** -4°F to 122°F (-20°C to 50°C)
- **Storage:**
  - -40°F to 122°F (-40°C to 50°C)
  - (6 Months Max.)
  - -4°F to 95°F (-20°C to 35°C)
  - (2 Years Max.)

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

**Important Notice**
This data sheet contains information specific to batteries manufactured at the time of its publication.
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