### Specifications

**Classification:** Rechargeable  
**Chemical System:** Nickel-Metal Hydride (NiMH)  
**Designation:** ANSI-1.2H1 IEC- HR03  
**Nominal Voltage:** 1.2 Volts  
**Rated Capacity:** 500 mAh* at 21°C (70°F)  
Based on 100 mA (0.2C) discharge rate  
**Typical Weight:** 10 grams (0.35 oz.)  
**Typical Volume:** 3.8 cubic centimeters (0.2 cubic inch)  
**Terminals:** Flat Contact  
**Jacket:** Plastic

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#### Internal Resistance:

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

- **Cell Charged:** 100 milliohms  
- **Cell 1/2 Discharged:** 120 milliohms  
   (tolerance of ±20% applies to above values)

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#### AC Impedance (no load):

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

- **Frequency (Hz):** 1000  
- **Impedance (milliohms):** 35  
  (charged cell)  

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

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#### Operating and Storage Temperatures:

To maintain maximum performance, observe the following general guidelines regarding environmental conditions:

- **Charge:** 0°C to 40°C (32°F to 104°F)  
- **Discharge:** 0°C to 50°C (32°F to 122°F)  
- **Storage:** -20°C to 30°C (-4°F to 86°F)  
- **Humidity:** 65±20%  

**NOTE:** Operating at extreme temperatures will significantly impact battery cycle life.

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**Important Notice**

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