Rechargeable AAA-500 (HR03)

**Specifications**

- **Classification:** ACCU Recharge
- **Chemical System:** Nickel-Metal Hydride (NiMH)
- **Designation:** IEC-HR03
- **Nominal Voltage:** 1.2 Volts
- **Rated Capacity:** 500 mAh (to 1.0 volts)
  Based on 100 mA (0.2C) discharge rate
- **Typical Weight:** 12.0 grams
- **Typical Volume:** 3.8 cubic centimeters
- **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:** 120 milliohms
  (tolerance of ±20% applies to above values)

**AC Impedance (No Load):**
The impedance of the charged cell varies with frequency, as follows:

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>Impedance (milliohms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>35</td>
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</tbody>
</table>

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

**Operating and Storage Temperatures:**
To maintain maximum performance, observe the following general guidelines regarding environmental conditions.

- **Charge:** 0°C to 40°C
- **Discharge:** 0°C to 50°C
- **Storage:** -20°C to 30°C
- **Humidity:** 65±20%

Operating at extreme temperatures will significantly impact battery cycle life.

**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.