ENERGIZER NH12-700 (HR03)

Specifications

Classification: Rechargeable
Chemical System: Nickel-Metal Hydride (NiMH)
Designation: ANSI-1.2H1  IEC- HR03
Nominal Voltage: 1.2 Volts
Rated Capacity: 700 mAh* at 21°C (70°F)
Based on 140 mA (0.2C) discharge rate
Typical Weight: 11 grams (0.39 oz.)
Typical Volume: 3.8 cubic centimeters (0.2 cubic inch)
Terminals: Flat Contact
Jacket: Plastic

Industry Standard Dimensions

<table>
<thead>
<tr>
<th>mm (inches)</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.80 (0.150)</td>
<td>10.50 (0.413)</td>
<td>0.80 (0.031)</td>
</tr>
<tr>
<td>4.30 (0.169)</td>
<td>44.50 (1.752)</td>
<td>43.30 (1.705)</td>
</tr>
</tbody>
</table>

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>
</tr>
</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 (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.

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