**Chemical System:** Manganese Dioxide (MnO$_2$)

**Designation:** ANSI/NEDA 1166A, IEC-LR44

**Nominal Voltage:** 1.5 Volts

**Typical Capacity:** 175 mAh* (to 0.9 volts)

**Capacity Test:** 6.8K ohm continuous drain at 21°C (70°F)

**Typical Weight:** 1.85 grams (0.07 oz.)

**Typical Volume:** 0.57 cubic centimeters (0.035 cubic inch)

**Impedance (40 Hz):** 5 to 15 ohms

**Max Bulge:** This battery will bulge as it is discharged, but will not exceed the maximum height shown on the battery drawing.

* Varies according to the applied load, temperature, and cutoff voltage.

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**Specifications**

**Industry Standard Dimensions**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>mm (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>3.80 (0.150)</td>
</tr>
<tr>
<td>Maximum</td>
<td>5.40 (0.213)</td>
</tr>
<tr>
<td>0.08 (0.003)</td>
<td>Maximum Ref. Permissible deflection from a flat</td>
</tr>
</tbody>
</table>

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**Cross Section**

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**Typical Discharge Characteristics**

**Load:** 6.8K ohms - Continuous

**Typical Drain @ 1.30V:** 0.191 mA

**Hours to 0.9V:** 915

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**Depth of Discharge**

**Load:** 6.8K ohms - Continuous

**Typical Drain @ 1.30V:** 0.191 mA

**Hours to 0.9V:** 915

(As percent of capacity)

<table>
<thead>
<tr>
<th>Temperature</th>
<th>0%</th>
<th>40%</th>
<th>80%</th>
</tr>
</thead>
<tbody>
<tr>
<td>21°C (70°F)</td>
<td>1.55V</td>
<td>1.33V</td>
<td>1.20V</td>
</tr>
</tbody>
</table>

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**Important Notice**

This data sheet 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.