**battery type:** Alkaline Manganese (Mercury free)
**battery size:** IEC: LR6; JIS: AM-3; ANSI: AA; MN1500; Mignon
**chemical system:** Zn / KOH-H₂O / MnO₂

### Conditions

- **nominal voltage:** 1.5 V
- **open circuit voltage:**
  - 1.57...1.62 V (new battery)
  - 1.55...1.62 V (after 1 year storage at 20°C)

### Capacity

- **rated:**
  - 2700 mAh (discharge at 10mA load; 24hours/day)
  - End Voltage (EV): 0.8V
  - 2400 mAh (discharge at 75ohms load; 24hours/day)
  - End Voltage (EV): 0.8V

- **minimum:**
  - 2200 mAh (discharge at 35mA constant current)
  - End Voltage (EV): 0.8V
  - 700 mAh (discharge at 1000mA constant current)
  - End Voltage (EV): 0.8V

### Typical Service Output (new batteries)

- ≥ 330 cycles discharge at 1000mA; EV: 0.9V
- discharge 10s/m 1h/d
- ≥ 79 h load resistor: 43ohms; EV: 0.9V
- discharge 4h/d
- ≥ 38 min discharge at 1000mA; EV: 0.9V
- discharge 24h/d
- ≥ 17.5 h load resistor: 10ohms; EV: 0.9V
- discharge 24h/d
- ≥ 6.2 h discharge at 250mA; EV: 0.9V
- discharge 1h/d

### Internal Resistance

- ≤ 0.25 Ω at 1kHz, sine wave measurement
- full battery

### Shelf Life

- 7 years under proper storage conditions

### Leakage Resistance

- Over discharge: no leakage
- 10ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
- High temperature: no leakage
- store 20days at ta: 60°C; RH:90±5%

### Ambient Temperature Range

- -10...50 °C

### Recommended Storage Conditions

- 5...25 °C ambient temperature
- 45...75 % rel. humidity

### Mechanical Specifications

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>diameter d₁</td>
<td>14.4 - 0.5 mm</td>
</tr>
<tr>
<td>diameter d₂</td>
<td>5.4 - 0.5 mm</td>
</tr>
<tr>
<td>height h₁</td>
<td>50.4 - 0.5 mm</td>
</tr>
<tr>
<td>height h₂</td>
<td>1.7 - 0.5 mm</td>
</tr>
<tr>
<td>weight</td>
<td>23 ± 2 g</td>
</tr>
<tr>
<td>package dimensions</td>
<td>72 x 29 x 51 mm</td>
</tr>
<tr>
<td>weight (incl. batteries)</td>
<td>233 ± 5 g</td>
</tr>
</tbody>
</table>

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.