**Model**

<table>
<thead>
<tr>
<th>System</th>
<th>Li-Al Alloy-Manganese Dioxide/Organic Electrolyte</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Voltage (V)</td>
<td>3</td>
</tr>
<tr>
<td>Nominal Capacity (mAh)*</td>
<td>25</td>
</tr>
<tr>
<td>Nominal Discharge Current (µA)</td>
<td>200</td>
</tr>
</tbody>
</table>

**Charge, Discharge Cycle Lifetime**

<table>
<thead>
<tr>
<th>Discharge Depth of 10%</th>
<th>1,500 (2.5 mAh discharge) (total capacity 3,750 mAh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge Depth of 20%</td>
<td>500 (5 mAh discharge) (total capacity 2,500 mAh)</td>
</tr>
</tbody>
</table>

**Operating Temperature Range (deg. C)**

-20 to +60

**Weight (g)**

1.8

**Dimensions (mm)**

- Diameter: 20
- Height: 1.6

**UL Recognition**

MH12568

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### Characteristics

#### Discharge Characteristics

**Temperature: 20 deg. C**

- Discharge load: 15kΩ
  - 15kΩ
  - 30kΩ
  - 100kΩ
  - 240kΩ

**Discharge duration time (h)**

<table>
<thead>
<tr>
<th>Discharge capacity (mAh)</th>
<th>0</th>
<th>5</th>
<th>10</th>
<th>15</th>
<th>20</th>
<th>25</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage (V)</td>
<td>3.5</td>
<td>3</td>
<td>2.5</td>
<td>2</td>
<td>1.5</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

#### Temperature Characteristics

**Discharge load: 15kΩ**

- Discharge duration time (h)
  - 0 deg. C
  - 20 deg. C
  - 60 deg. C
  - 80 deg. C
  - 120 deg. C
  - 140 deg. C
  - 160 deg. C
  - 180 deg. C

**Discharge duration time (h)**

<table>
<thead>
<tr>
<th>Discharge load (V)</th>
<th>0</th>
<th>5</th>
<th>10</th>
<th>15</th>
<th>20</th>
<th>25</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage (V)</td>
<td>3.5</td>
<td>3</td>
<td>2.5</td>
<td>2</td>
<td>1.5</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

#### Relationship between Discharge Current and Duration Time

- Discharge final voltage: 2V
- Temperature: 20 deg. C

**Discharge duration time (days)**

<table>
<thead>
<tr>
<th>Discharge current (µA)</th>
<th>4mA</th>
<th>3mA</th>
<th>2mA</th>
<th>1mA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge duration time (days)</td>
<td>10</td>
<td>100</td>
<td>1,000</td>
<td>10,000</td>
</tr>
</tbody>
</table>

#### High Rate Discharge Characteristics

**Voltage (V)**

- 0: 0.0
- 5: 0.0
- 10: 0.0
- 15: 0.0
- 20: 0.0
- 25: 0.0
- 30: 0.0

**Discharge duration time (h)**

<table>
<thead>
<tr>
<th>Discharge current (µA)</th>
<th>4mA</th>
<th>3mA</th>
<th>2mA</th>
<th>1mA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge duration time (h)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Characteristics

- **Over Charge Characteristics**

- **Storage Characteristics**

*Nominal capacity indicates duration until the voltage drops down to 2.0V when discharged at a nominal discharge current at 20 deg. C.

**Dimensions and weight are for the battery itself, but may vary depending on terminal specifications and other factors.

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* Data and dimensions are not guaranteed. For further details, please contact us at your nearest Maxell office.

* Contents on this website are subject to change without notice.

Date of issue: October 2017