### Primary lithium battery

**BA 5567**

3 V Primary lithium sulfur dioxide (Li-SO$_2$)

High drain capability

1/3 C-size spiral cell

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**Benefits**

- High and stable discharge voltage
- High pulse capability
- Performance not affected by cell orientation
- Long storage possible before use
- Ability to withstand extreme temperature

**Key Features**

- Low self-discharge rate (less than 3% after one year of storage at +20°C)
- Hermetic glass-to-metal sealing
- Flat pressure contact terminals
- Built-in safety vent (at the negative end of the cell)
- UL Component Recognition (File number MH 15076)
- Meets shock, vibration, and other environmental requirements of military specifications
- Made in the USA

**Typical applications**

- Night vision

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### Electrical characteristics

<table>
<thead>
<tr>
<th>Cell size reference</th>
<th>1/3 um2</th>
<th>1/3 R14</th>
<th>1/3 C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal capacity</td>
<td>1.0 Ah</td>
<td>1.0 Ah</td>
<td>1.0 Ah</td>
</tr>
<tr>
<td>Open circuit voltage</td>
<td>3 V</td>
<td>3 V</td>
<td>3 V</td>
</tr>
<tr>
<td>Nominal voltage (at 28 mA)</td>
<td>2.8 V</td>
<td>2.8 V</td>
<td>2.8 V</td>
</tr>
<tr>
<td>Rated capacity (at 28 mA discharge)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70°F (21°C)</td>
<td>1.0 Ah</td>
<td>1.0 Ah</td>
<td>1.0 Ah</td>
</tr>
<tr>
<td>- 20°F (-29°C)</td>
<td>0.6 Ah</td>
<td>0.6 Ah</td>
<td>0.6 Ah</td>
</tr>
<tr>
<td>Maximum recommended continuous current</td>
<td>0.5 A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage (% of rated capacity)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 year</td>
<td>70°F (21°C): &gt;95%</td>
<td>70°F (21°C): &gt;95%</td>
<td>70°F (21°C): &gt;95%</td>
</tr>
<tr>
<td>1 month</td>
<td>160°F (71°C): &gt;90%</td>
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</tr>
<tr>
<td>Operating temperature range</td>
<td>-40°F (-40°C) to 160°F (71°C)</td>
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</tr>
</tbody>
</table>

### Physical characteristics

- Diameter (maximum): 26.04 mm (1.025 in)
- Height: 19.02 mm (0.749 in)
- Weight (maximum): 0.7 oz (20 gr)
- Weight of Li: 0.35 gr
- Volume: 0.54 in$^3$ (8.9 cc)

### References

- NSN Number: 6135014475082
BA 5567

Handling precautions
- Cell is pressurized at ambient temperature
- Do not puncture, open, or mutilate
- Do not obstruct safety vent mechanism
- Do not short circuit or charge
- Do not expose to fire or temperatures above 160°F (71°C)

Typical discharge curves at 21°C

Voltage at midlife vs. discharge rate, various temps.

Capacity vs. discharge, various temperatures