

# Primary lithium battery

## BA 5567

3 V Primary lithium sulfur dioxide (Li-SO<sub>2</sub>)  
 High drain capability  
 1/3 C-size spiral cell

### 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



Scale = 1.47 of actual size

Cell size reference	1/3 um2	1/3 R14	1/3 C
<b>Electrical characteristics</b>			
Nominal capacity	1.0 Ah		
Open circuit voltage	3 V		
Nominal voltage (at 28 mA)	2.8 V		
Rated capacity (at 28 mA discharge)			
70°F (21°C)	1.0 Ah		
- 20°F (- 29°C)	0.6 Ah		
Maximum recommended continuous current	0.5 A		
Storage (% of rated capacity)			
1 year	70°F (21°C):	>95%	
1 month	160°F (71°C):	>90%	
Operating temperature range	- 40°F (- 40°C) to 160°F (71°C)		
<b>Physical characteristics</b>			
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 <sup>3</sup> (8.9 cc)		
<b>References</b>			
NSN Number	6135014475082		



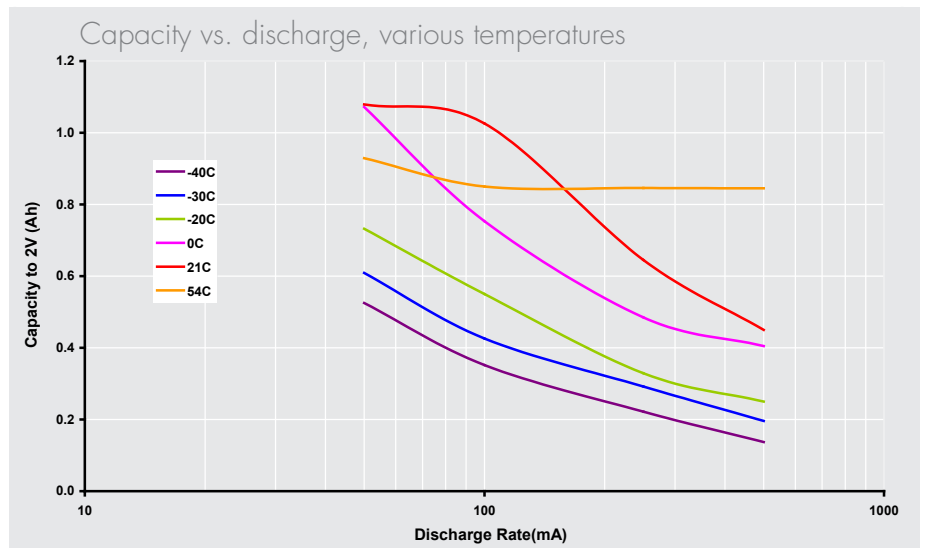
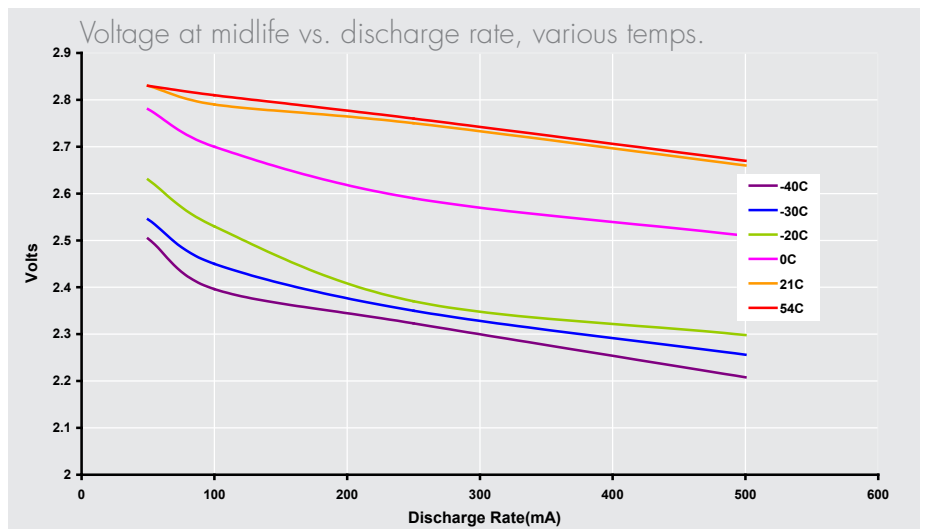
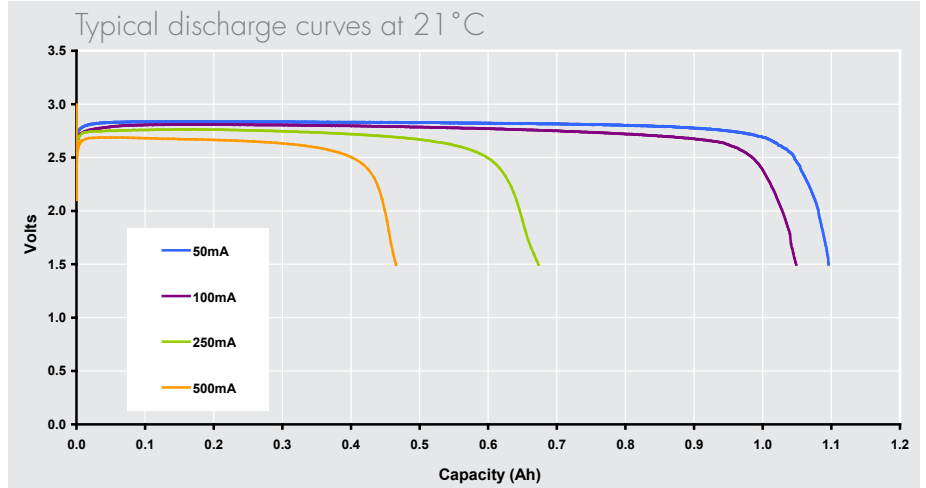
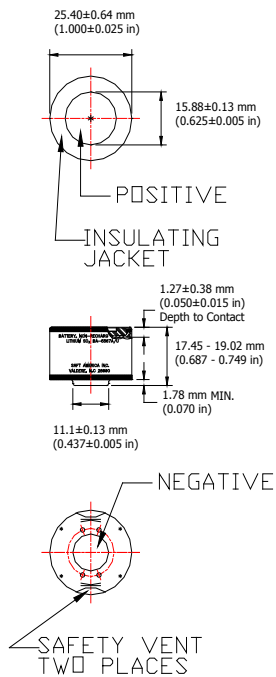
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## Handling precautions

- 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)

### BA5567 Dimensions



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