

# Primary lithium battery system BA 5598/U and BA 5598 A/U

1.5 V/3 V Primary lithium sulfur dioxide (Li-SO<sub>2</sub>) battery

The battery consists of 5 L025SX cells connected in series with a tap at one cell providing an overall section of 15 V with a 3 V tap open circuit voltage.

## Key Features

- A non-replaceable 3 A fuse is incorporated in both the ground and 3 V outputs
- A normally closed high temperature one-shot thermal fuse is incorporated on the ground output
- A diode is incorporated on into the overall 15 V positive output
- A constant discharge device (CDD) consisting of a manually activated pull tab and resistor is incorporated to permit discharge of the battery to 0 V for disposal
- Alternative configurations such as no CDD are available. Consult factory.

## Typical applications

- AN/PRC-25
- AN/PRC-77
- AN/PRC-74
- AN/PRD-11
- TSEC/KY-38
- TSEC/KY-65
- AN/GRQ-26
- AN/RRD-10
- AN/GRA-114
- AN/MSC-25



Electrical characteristics	A1+(3 V)	A2+(15 V)
Nominal OCV	3 V	15 V
Maximum OCV	3.05 V	15.25 V
Operating voltage	2.8 V	14.0 V
Cut-off voltage	2.0 V	10.0 V

Typical capacity at 500 mA to 10V cut-off at 70°F (21°C)	8.2 Ah
at -4°F (-20°C)	7.0 Ah
Operating temperature*	-40°C to +71°C / -40°F to +160°F
Storage (Recommended max)	+35°C / +95°F
(Possible)	-40°C to +71°C / -40°F to +160°F

Physical characteristics	Metric	Imperial
Typical weight	680 g	24 oz
Weight of Li metal content	12.5 g	
Width	120.7 mm	4.750 in
Height	92.1 mm	3.625 in
Depth	54 mm	2.125 in
Battery case	Plastic	

## References

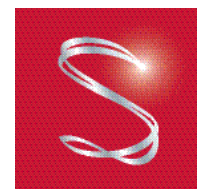
MIL-PRF-49471B or Saft Standard Specification

Nato Stock Number

BA 5598 A/U (unit package = 4 batteries) 6135-01-447-5081

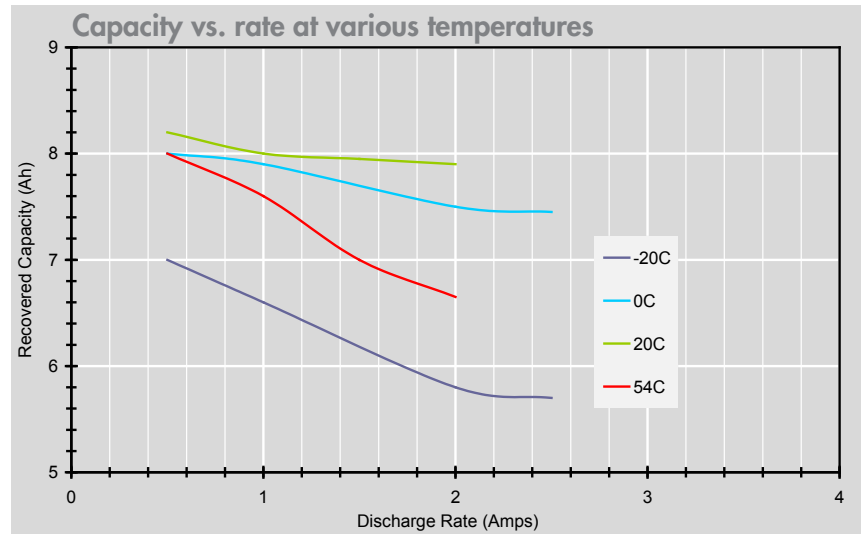
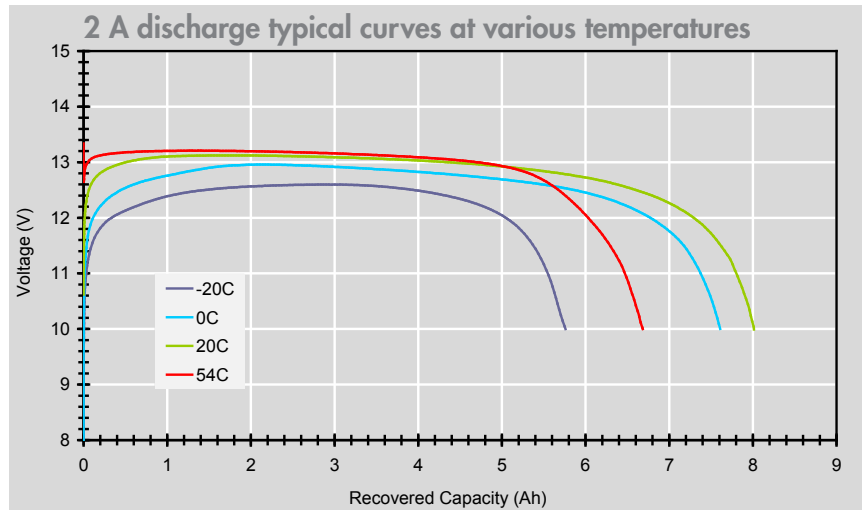
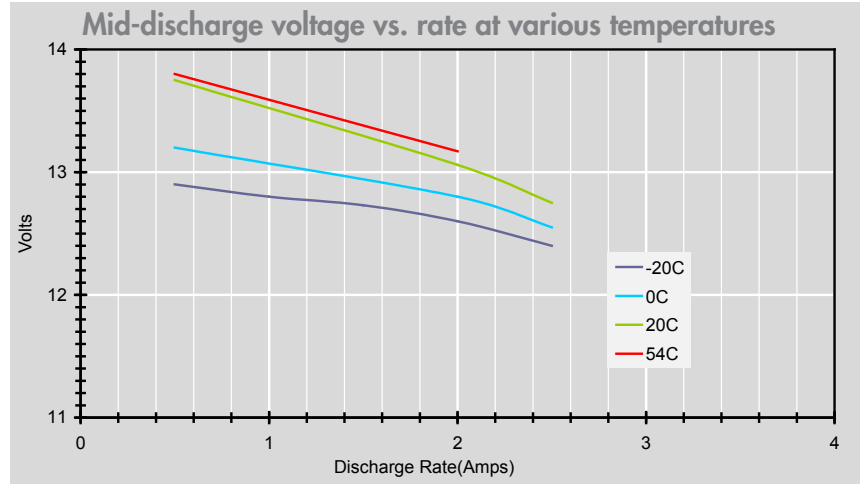
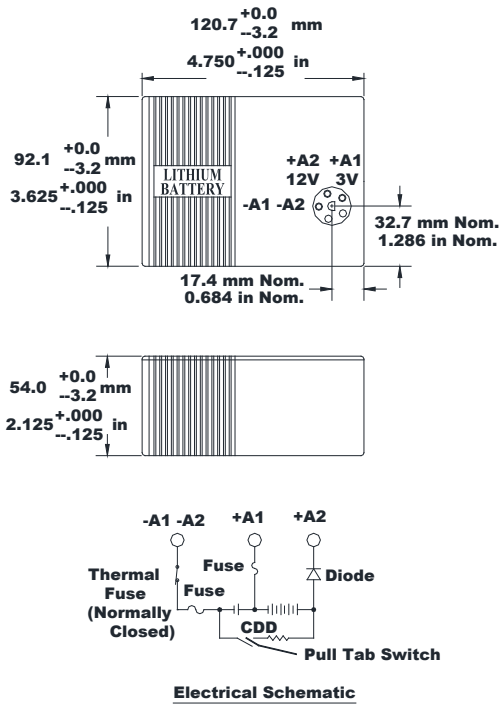
BA 5598/U (unit package = 1 battery) 6135-01-034-2239

\*Discharge at temperature  $\geq 54^{\circ}\text{C}$  (130°F) may be limited due to self-heating and activation of the thermal fuse.



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