

BA 5590

Lithium / Sulfur Dioxide Primary Battery System

Physical Specifications:

Typical Weight: 2.25 lbs; 1000 gr.
Weight of Li: 24 gr.
Dimensions: Figure A (on back)
Battery Case: Plastic

Typical Applications:

AN / PRC-104 Radio
AN / PRC-113 Radio
AN / PRC-117 Radio
AN / PRC-119 Singcars Radio
KY-57, KY-65 Encryption Set
REMBASS Remotely Monitored Battlefield Surveillance System
PLRS Position Locator and Reporting System
RT-991 Buoy Radio
RT-1175 Buoy Radio
AN / TAS-4A TOW Night Sight

Electrical Characteristics:

Construction: 10 LO 26 SX cells connected in 2 groups of 5 cells in series providing 2 nominal 12-volt sections at connector. These sections can be connected in series (for 24 volts) in parallel (for 12 volts) or used as two separate 12-volt units

Voltage: Typical OCV: 15.0 or 30.0 volts
Nominal (@500 ma): 13.5 or 27.0 volts
Cut-off: 10.0 or 20.0 volts

Typical Capacity:
@70°F (21°C)
(@ 250 mA discharge current): 12 volts mode 15 Ah / 24 volts mode 7.5 Ah

Operating Temperature: -40°F to 160°F (-40°C to 71°C)

Storage: Recommended max 95°F (35°C) /
Possible -40°F to 160°F (-40°C to 71°C)

Fuse: Non-replaceable, electrical fuse is incorporated in the negative leg of each series group of cells.

High Temperature Switch: A normally closed high temperature switch or thermal fuse is incorporated into each series leg of cells to protect against overheating

Diode: A diode is incorporated into the positive leg of each series group of cells to prevent charging or flow of current into the battery

Pull tab CDD (optional): A device consisting of a manually activated pull tab and resistors designed to discharge the battery to 0 volts is built into the battery

Mating Connector: ITT Cannon CA 110821-6

Reference Specifications: MIL PRF 49471B or Saft Standard Specification



The BA 5590 is
a commonly
used battery for
various military
applications.

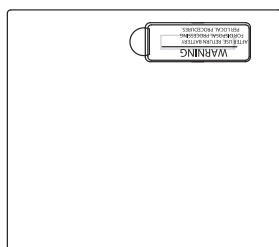
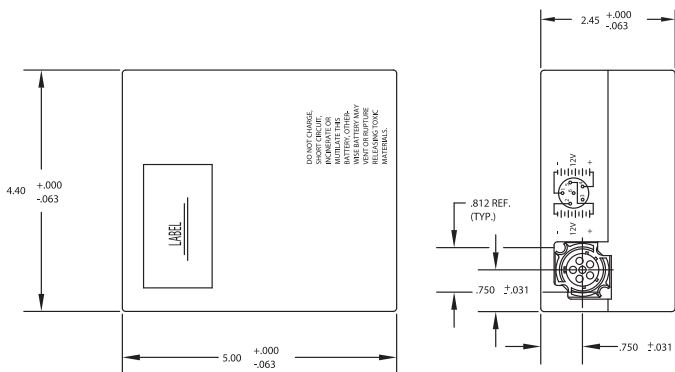
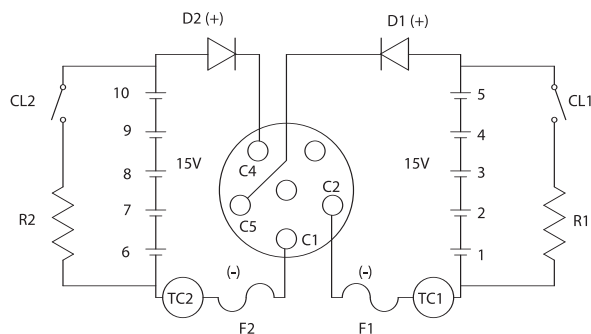


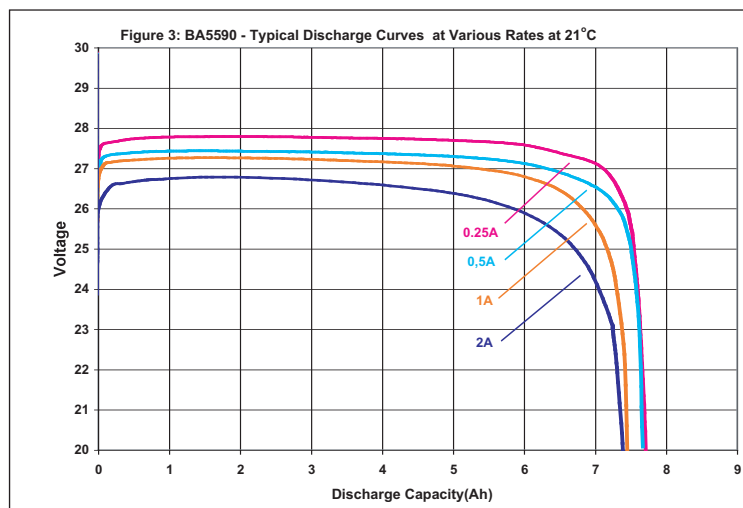
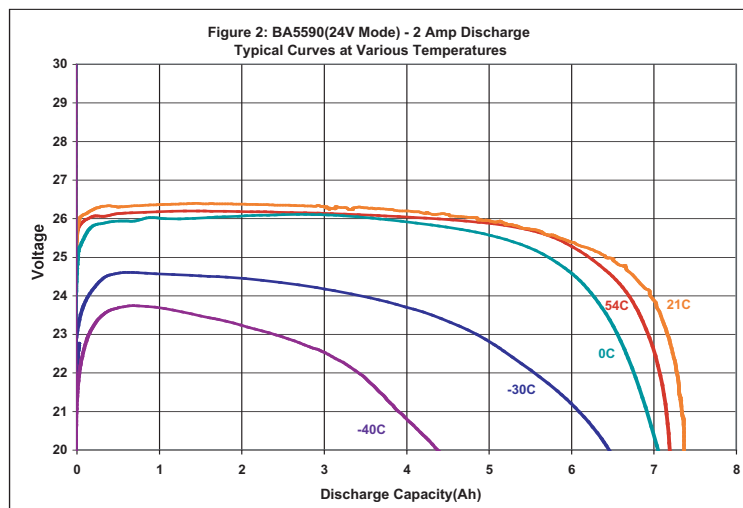
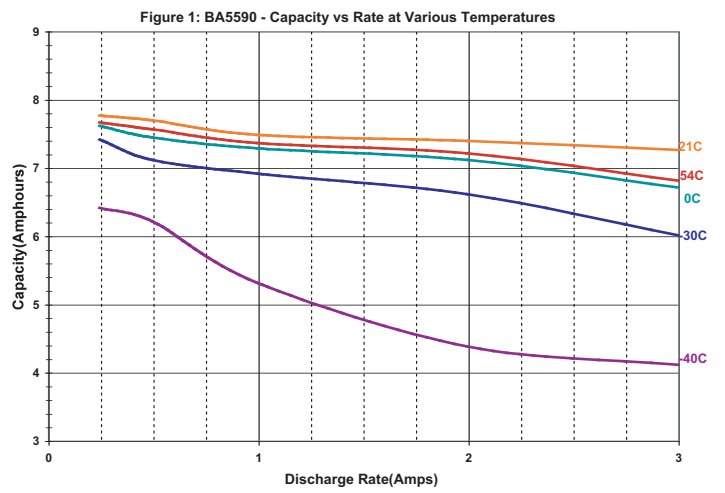
Figure A



ELECTRICAL SCHEMATIC

*Note: All measurements are in inches

Information in this document is subject to change without notice and becomes contractual only after written confirmation by Saft.



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