

ULTRALIFE[®] Batteries

We. Are. Power.[™]

BA-5390/U Technical Datasheet

The Ultralife Advantage

Better technology. Our lithium-based (lithium-manganese dioxide, lithium ion and lithium polymer) technologies enable us to design leading-edge power solutions for the world's most demanding applications.



FEATURES

- Dual modes: 15V or 30 V
- High energy density
- No voltage delay
- Wide operating temperature range
- Lightweight
- 10-year shelf life
- Long operating life: 50 – 100% more runtime than BA-5590/U
- Safe: non-pressurized system

APPLICATIONS

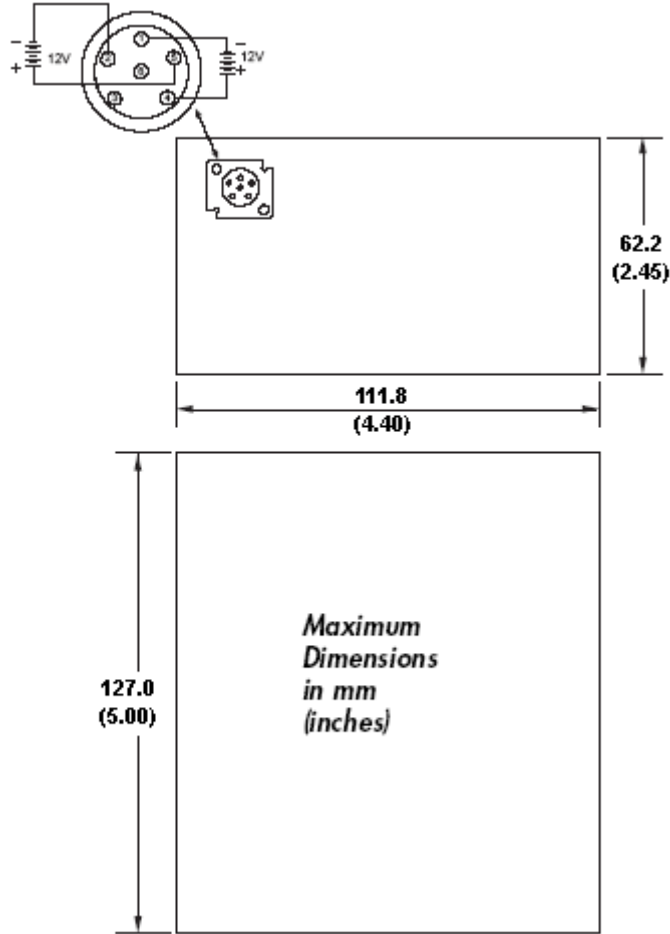
- Alternative for BA-5590/U Li-SO₂ battery
- AN/PRC-119 SINCGARS
- Javelin Medium Anti-Tank CLU
- Approximately 50 other military applications

SPECIFICATIONS

Part No	UB0001
NSN	6135-01-501-0833 (see note 3)
Average Voltage	Maximum: 16.5 or 33.0 Typical: 13.5 or 27.0 Final: 10.0 or 20.0
Nominal Capacity	15 V Mode: 22.2 Ah @ 250 mA to 10 V @ 23°C 30 V Mode: 11.1 Ah @ 250 mA to 20 V @ 23°C
Max. Discharge	2.0 A continuous in 30 V Mode 4.0 A continuous in 15 V Mode
Pulse Capability	Up to 2.5 A continuous in 30 V Mode Up to 5.0 A continuous in 15 V Mode Varies according to pulse characteristics, temperature, cell history and the application. Consult Ultralife.
Weight	1300 grams
Operating Temp	-40°C to 72°C
Storage Temp	-40°C to 95°C
Exterior/Housing	Hard Plastic Case
Terminals/Connector	5 pin polarized socket
Safety	Material Safety Datasheet – MSDS030.
Transportation	Class 9 – see note 1
Harmonized Tariff Code	8506.50.0000

Note 1	For a complete description of transportation regulations and definitions of the transportation classifications “Excepted” and “Class 9,” refer to the Ultralife web site at www.ultralifebatteries.com .
Note 2	Cells are Hermetic Ni-Plated Steel Cans
Note 3	Alternative for BA-5590/U, NSN: 6135-01-036-3495

DIMENSIONS



PERFORMANCE GRAPHS

