

LITHIUM SULFUR DIOXIDE PRIMARY BATTERY SYSTEM

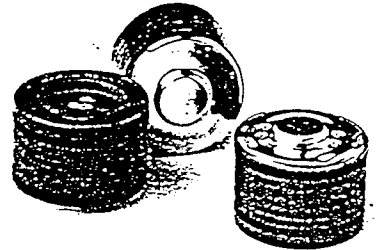
NSN: 6135-01-090-5365

PHYSICAL SPECIFICATIONS

Weight (max): 0.7 oz; 20 Grams
 Dimensions: Refer to Figure 1
 Battery is packaged in a plastic case.

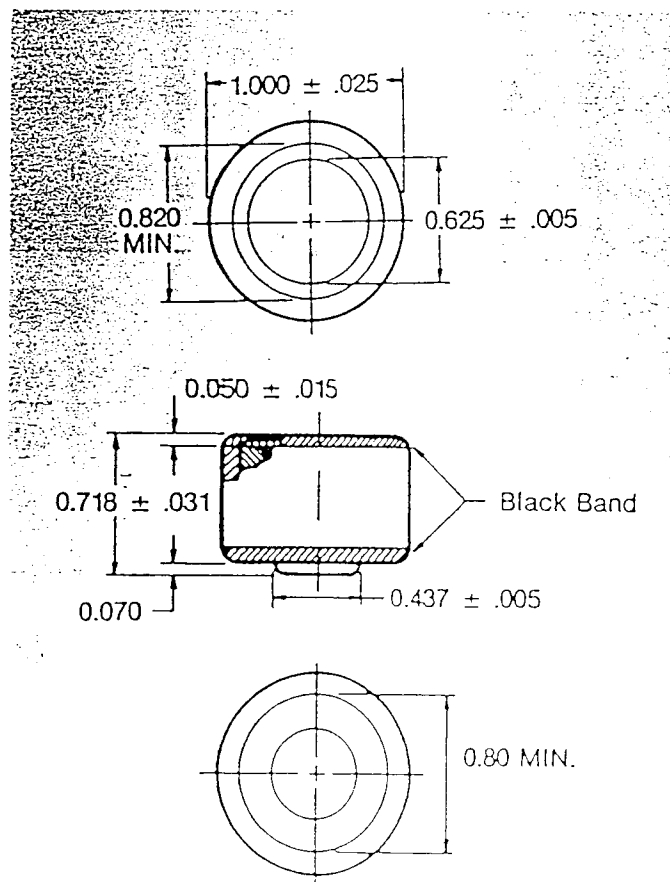
ELECTRICAL SPECIFICATIONS

Cell Complement: 1 cell
 Voltage:
 Nominal: 3.0 volts
 Max. (OCV): 3.05 volts
 Average (@ 28 ma.): 2.8 volts
 Final: 2.0 volts
 Rated Capacity (at 28 ma discharge):
 70°F (21°C): 0.86 Ah
 -20°F (-29°C): 0.57 Ah
 Fuse: Not required
 High Temperature Switch: Not required
 Diode: Not required
 Complete Discharge Device: Not required
 Military Specification: MIL-B-49430A (ER)



TYPICAL APPLICATION

AN/PVS-2	Night Vision Goggle
AN/PVS-4	Night Vision Goggle
AN/PVS-5	Night Vision Goggle
AN/TVS-2	Night Vision Sight
AN/TVS-4	Night Vision Sight
AN/TVS-5	Night Vision Sight
KL-44	Data Entry Device
KL-52	Data Entry Device
KOK-12	Data Entry Device
AN/PVS-6	Night Vision Goggle
AN/PVS-7	Night Vision Goggle
AN/AVS-4	Night Vision Sight
AN/AVS-5	Night Vision Sight
AN/AVS-6 (V) 1	Night Vision Sight



Inches	MM
0.005	0.13
0.015	0.38
0.025	0.64
0.031	0.79
0.050	1.27
0.070	1.78
0.437	11.10
0.625	15.88
0.718	18.24
0.800	20.32
0.820	20.83
1.000	25.40

Figure 1: Outline Dimensions (Inches)

FEDERAL and MILITARY SPECIFICATIONS

Meets requirements of Military specifications for Battery BA-5567/U; MIL-B-49430(ER), "Batteries, Non-rechargeable, Lithium Sulfur Dioxide"; Specification Sheet MIL-B-49430/4(ER), e.g.

- a. Capacity Tests: at -20°F, 70°F, 130°F;
Discharge Rate: 50 ma.
- b. Storage Tests: at 70°F, 130°F, 160°F
- c. Safety Feature Tests:
 - (1) 300°F Temperature and Short Circuit Test
 - (2) Forced Discharge Test
 - (3) Leakage Test
- d. Environmental Requirements:
 - Vibration: Harmonic motion, 10-55 cps
0.03" amplitude
 - Shock: 75 G acceleration
 - Altitude: 50,000 feet
 - Storage Tests: Up to 4 weeks at 160°F

HANDLING

Do not puncture, open or mutilate.
Cells are pressurized.
Do not short circuit or charge.
Do not expose to fire or temperatures above 160°F (71°C).
Cells may vent or explode if exposed to these conditions.

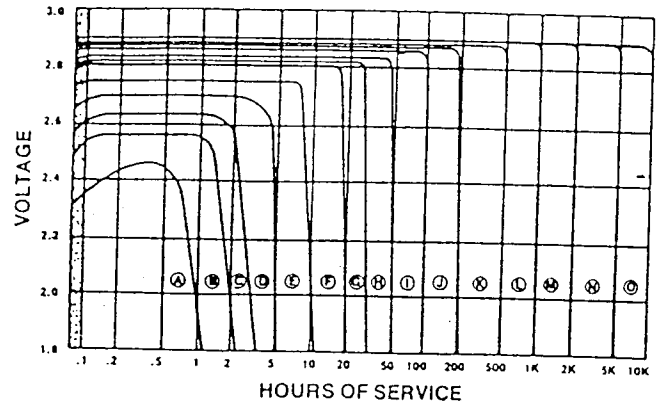
SHIPPING

Meets requirements of Department of Transportation Exemption DOT-E-7052 and CFR 49 173.206 (f).

DISPOSAL

Disposal of lithium batteries is regulated by the U.S. Environmental Protection Agency.

Battery design and specifications are subject to change without prior notice.



Discharge Rate (ma.)

- A = 494
- D = 172
- G = 29
- J = 4.4
- M = 0.45
- B = 321
- E = 86
- H = 18
- K = 1.8
- N = 0.18
- C = 247
- F = 43
- I = 8.8
- L = 0.9
- O = 0.09

Figure 2: Typical Discharge Curves at 70°F (21°C)

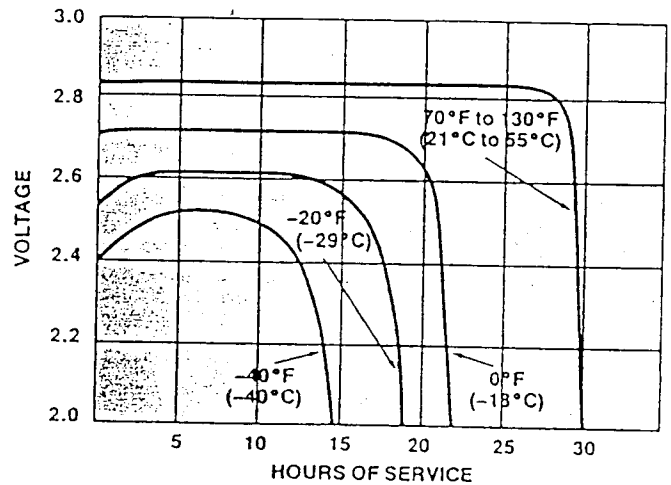


Figure 3: Typical Discharge Curves at 28 ma

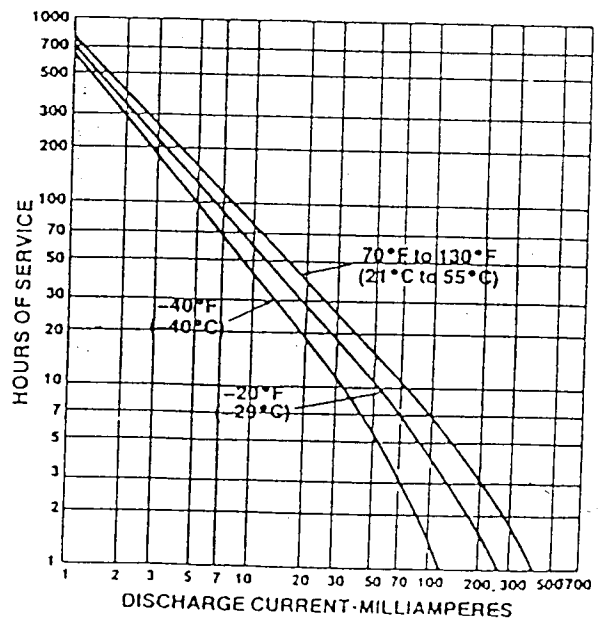


Figure 4: Service Life on Constant Current Discharge to 2.0 Volts