

CURRENT STOCK:  
 BA5847 B/U  
 NSN: 6135-01-430-3119

DIFFERENCES BETWEEN BA5847 B/U AND BA5847/U  
 1) 3 AMP FUSE IN BA5847 B/U  
 2) BA5847B/U HAS DUAL CONNECTOR  
 3) BA5847 B/U HAS PULL CDD IN PLACE OF PUSH CDD

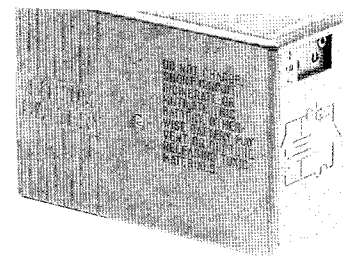
# LITHIUM/ SULFUR DIOXIDE PRIMARY BATTERY SYSTEM

BA-5847/U  
 NSN: 6135-01-090-5364

NO  
 LONGER AVAILABLE

## Physical Specifications

Weight (max):	.53 lbs; 240 gr.
Weight of Li:	4.8 gr.
Dimensions:	Figure 1
Battery Case:	Plastic



## Electrical Specifications

Construction:	2 cells connected in series.	
Voltage:	Nominal OCV:	6.0 volts
	Max. OCV:	6.1 volts
	Nominal (@ 240 mA):	5.25 volts
	Cut-off:	4.0 volts

\*Note: Start-up voltage delay to 3.8 volts at -30°C is 60 seconds.

Rated Capacity (at 240 mA discharge): 70°F (21°C): 7.5 Ah  
 -20°F (-29°C): 5.75 Ah

Fuse:	A slow blow 2.25 Amp non-replaceable fuse is incorporated in the negative leg.
High Temperature Switch:	A normally closed high temperature switch or thermal fuse is incorporated in the negative leg. It will open at 91°±4°C (189°-196°F) and is non-resetable and non-replaceable.
Diode:	A diode is incorporated into the positive leg to prevent charging or flow of current into the battery.
CDD: (Optional)	A device consisting of a manually activated switch and resistors designed to discharge the battery to 0 volts is built in the battery.
Mating Connector:	Keystone Electronics No.212
Specifications:	MIL-B-49430 (A) or (B) Saft Specifications

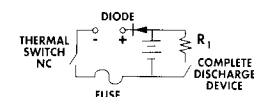
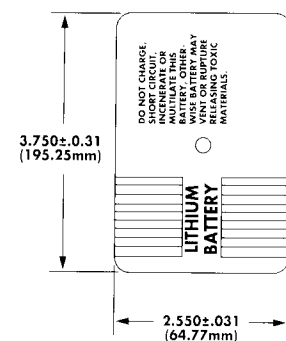
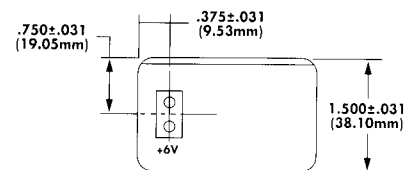


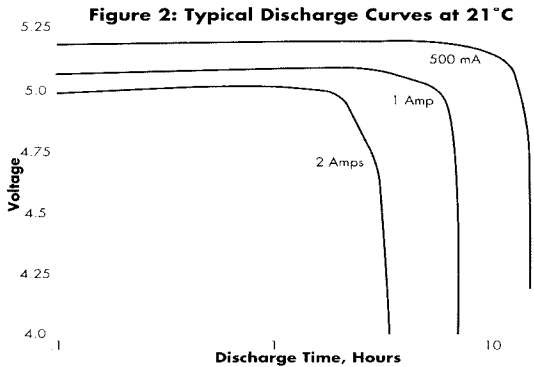
Figure 1. Overall Dimensions



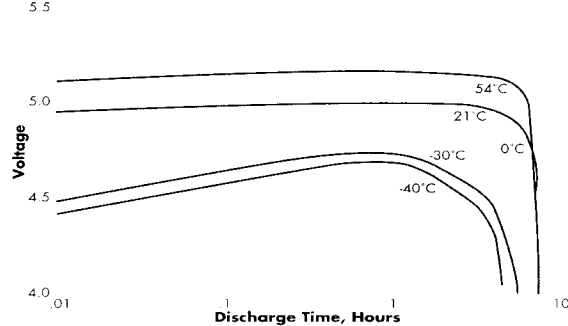
# BA-5847/U

## Typical Applications

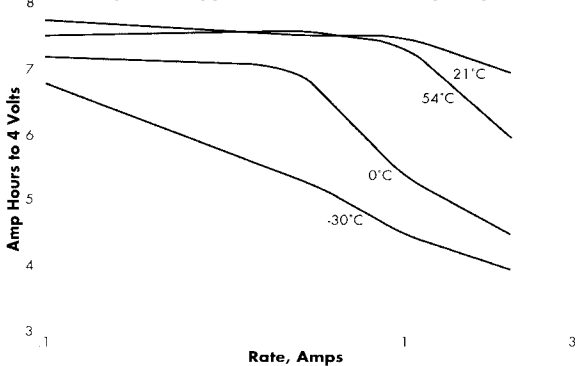
- AN/PRM-34      Radio tests
- AN/PRS-7        Mine detection
- AN/TS-54        Night sight



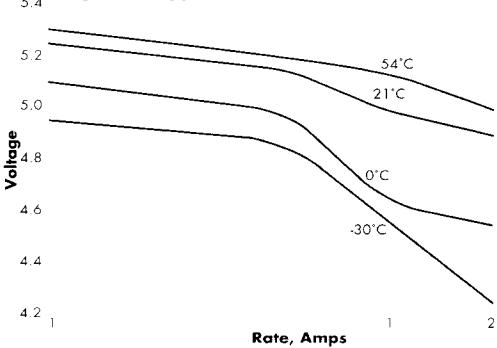
**Figure 3: Typical 1 Amp Discharge Over Temperature Range**



**Figure 4: Typical Drain Rate vs Capacity**



**Figure 5: Typical Drain Rate vs Mid Life Voltage**



SAFT America Inc.  
 Lithium Battery Division  
 313 Crescent Street • Valdese, NC 28690  
 Tel. (704) 874-4111 • Fax (704) 874-2431