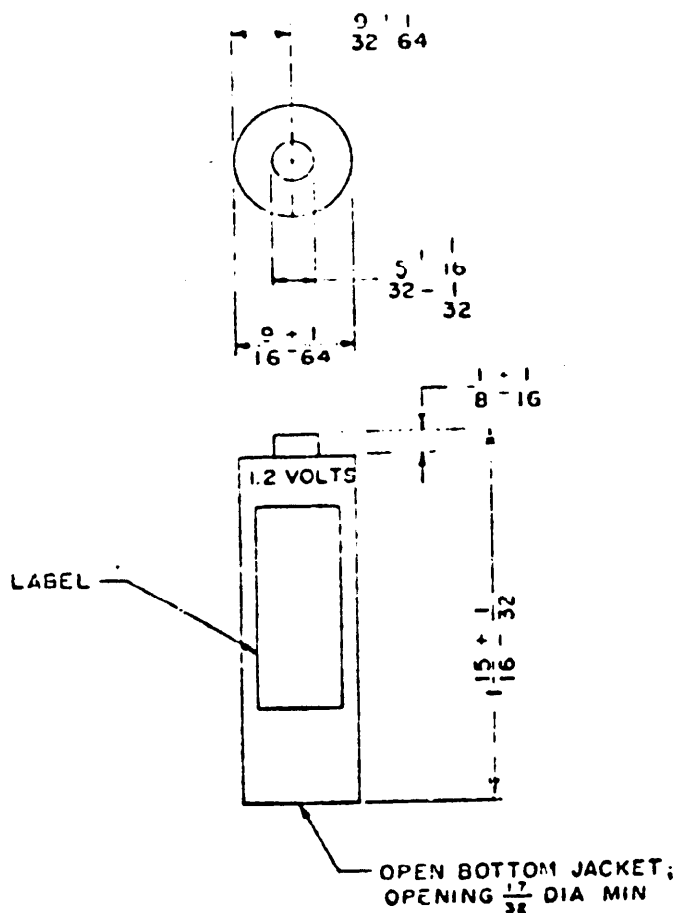


FFD 501 CLASS
6140



NOTES:

1. ALL DIMENSIONS IN INCHES.
2. For design feature purposes, this Standard takes precedence over procurement documents referenced herein.
3. Referenced documents shall be of the issue in effect on date of invitations for bids.

Signal Corps
The standard for this class of battery is the Army standard for this class of battery. All other standards are obsolete.

P.A. Sig C	TITLE	MILITARY STANDARD
Other Cost	BATTERY, STORAGE BB-417()/U	MS 75033 (SigC)
Procurement Specification MIL-B-55120(SigC)	SUPERSEDES	SHEET 1 OF 2

ELECTRICAL AND PHYSICAL REQUIREMENTS

FED. SUP. CLASS
6140

Class	Sealed Cell
Voltages	
Nominal	1.20
Final (Unless otherwise specified)	1.00
Rated Capacity (C ₅)	0.450 A.H.
Charge Rate (0.2C ₅)	0.090 Amps
Discharge Rates	
0.2C ₅	0.090 Amps
3 C ₅	1.35 Amps
Terminals	Button Type
Max. Weight	1 oz
Container	Nickel-Cadmium Cold Rolled Steel, or equal
Number & Type of Cells	1 "AA" Cell

PRODUCTION SAMPLING TESTS

Tests	Test Para.	Minimum Test Value
Initial Full Capacity Discharge	4.9 .1.1	0.45 A.H.
Full Capacity Discharge	4.9 .1	0.45 A.H.
Low Temp. Discharge	4.9 .2	
Test I	4.9 .2.1	0.40 A.H.
Test II	4.9 .2.2	0.23 A.H.
High Rate Discharge	4.9 .4	
5-second voltage		1.15 volt
Minutes to 1.0 volt		15 Minutes
* Intermittent Discharge	4.9 .3	450 Minutes
Overcharge Test	4.14	0.45 A.H.
Cycle Life Test- Test I	4.12.1	400 Cycles
* Discharge through 20 ohms for 4 minutes each hour, 10 hours per day, 5 days per week to a cut-off voltage of 0.93 volt.		
Retention of Charge		
Test I	4.15.1	0.34 A. H.
Test II	4.15.2	0.16 A. H.

DA Sig C	TITLE	MILITARY STANDARD
Other Com	Battery, Storage, BB-417()/L	MS 75033 : (SigC)
WHL-55130(SigC)	UNPERMITS	SHEET 2 OF