

MILITARY SPECIFICATION SHEET

BATTERY, DRY, BA-401/U

INACTIVE FOR NEW DESIGN AFTER  
15 MARCH 1999 AND IS NO LONGER USED,  
EXCEPT FOR REPLACEMENT PURPOSES.

This specification is approved for use by all Departments  
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein  
shall consist of this specification sheet and [MIL-B-18](#).

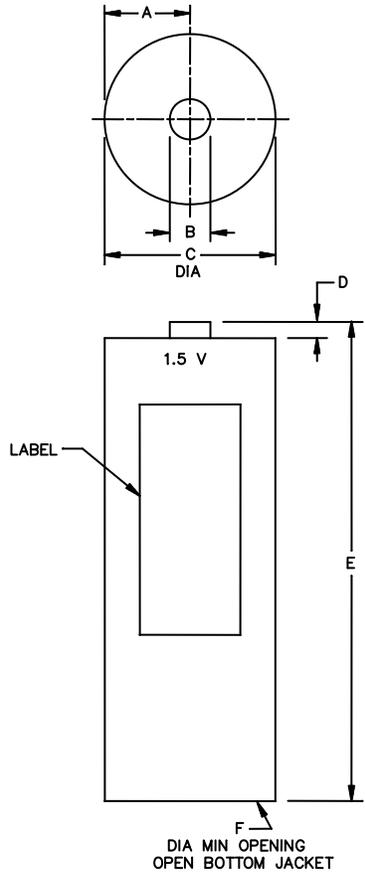


FIGURE 1. Battery dimensions.

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Ltr	Inches		mm	
	Min	Max	Min	Max
A	.640	.672	16.26	17.07
B	.282	.344	7.163	8.74
C	1.282	1.344	32.56	34.14
D	.062	.188	1.57	4.78
E	3.532	3.626	89.71	92.10
F	.844	---	21.44	---

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Marking to be in accordance with MIL-B-18.

FIGURE 1. Battery dimensions - Continued.

REQUIREMENTS:

Dimensions, marking, and configuration: See figure 1.

Nominal voltage: 1.5 volts.

Usual number and type of cells: 1 "F" cell.

Terminals: Flat surface.

Weight (maximum): 7 ounces.

Capacity tests: When the battery is tested in accordance with the methods of examination and test of this specification, the minimum capacity-test requirements shall be not less than the minimum time specified for SLD or SLT.

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First article inspection in accordance with MIL-B-18:

- Visual and mechanical (external and internal).
- Battery voltage.
- Waterproofing-of-jacket test (when applicable).
- Electrolyte leakage.
- Capacity, D (without storage).

Conformance inspection in accordance with MIL-B-18:

- Visual and mechanical (external).
- Battery voltage.
- Waterproofing-of-jacket test (when applicable).
- Capacity, D and T.

Method of examination and test:

Capacity tests: See requirements for capacity specified herein.

Storage:	Test	Period
	D	18 months
	T	90 days

Discharge: The battery shall be discharged through .5 ohms for 4 hours, then on open circuit for 20 hours. This cycle shall be repeated 5 days per week continuously to a test-end voltage of 0.9 volt.

Closed circuit voltage: Use TS-183 ( )/U test per special marking or, with minimum permissible voltage as specified for TS-183 ( )/U, use a load resistance value of 5.983 ohms.

Special marking on each unit package:

TO TEST THIS BATTERY WITH TS-183 ( )/U:	
USE JACK NO.	MINIMUM PERMISSIBLE VOLTAGE
3	1.40

Unless expressly authorized, this test information shall apply to Army and Air Force applications only.

Part or Identifying Number (PIN): BA-401/U, see 1.2 of MIL-B-18.

The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

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Custodians:

Army - CR  
Navy - SH  
Air Force - 99  
DLA - CC

Preparing activity:

DLA - CC

(Project 6135-2010-054)

Review activities:

Army - AR, MI  
Navy - MC, YD

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.daps.dla.mil>.