

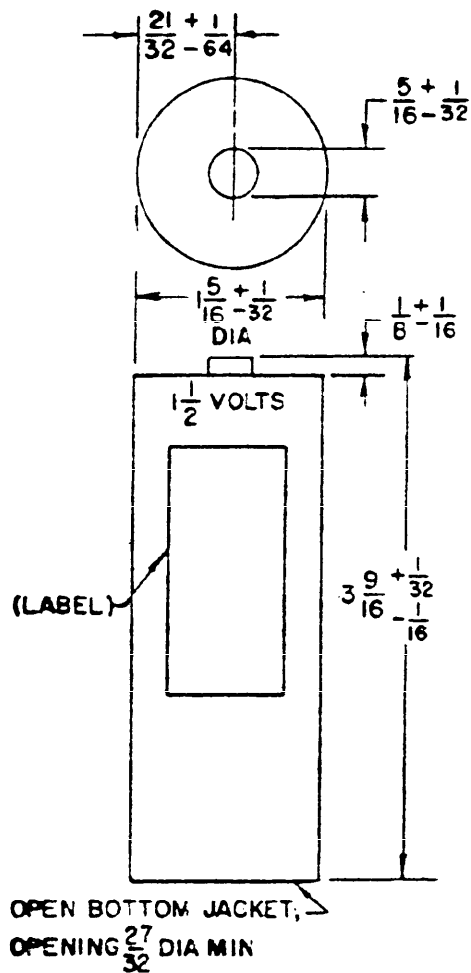
MIL-B-18/79C
 21 August 1976
 SUPERSEDED
 MIL-B-18/79B
 6 May 1965

MILITARY SPECIFICATION SHEET

BATTERY, DRY, BA-401/U

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

The complete requirements for procuring the dry battery described herein shall consist of this document and the latest issue of Specification MIL-B-18. (C)



INCHES	MM
1/64	.40
1/32	.79
1/16	1.59
1/8	3.18
5/16	7.94
21/32	16.67
27/32	21.43
1 5/16	33.34
3 9/16	90.49

NOTES:

1. All dimensions shown on figure are in inches.
2. Metric equivalents specified in table are for general information only and are based upon 1 inch = 25.4 millimeters.

(C) denotes changes

FSC 6135

MIL-B-18/79C

REQUIREMENTS:

Dimensions and configuration: See figure.

Nominal voltage: 1.5 volts.

Number and type of cell: 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 as specified in Supplement 1.

First Article inspection:

(C)

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

(C)

Quality conformance inspection:

- Visual and mechanical (external).
- Battery voltage.
- Waterproofing-of-jacket test (when applicable).
- Electrolyte leakage.
- Capacity, D&I.

(C)

Methods of examination and tests:

Capacity tests: See requirements for capacity specified herein.

Storage -	Test	Period
	D	16 months
	T	90 days

(C)

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.

Electrolyte leakage - The battery shall be discharged through 5 ohms for 24 hours.

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

(C)

(C)

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.

(C)

Custodians:

Army - EL
Navy - SH
Air Force - 99

Preparing activity:

Army - EL

(Project 6135-0461) (C)

Review activities:

Army - MI (C)

User activities:

Army - PA
Navy - YD, MC (C)

(C)

SPECIFICATION ANALYSIS SHEET

Form Approved
Budget Bureau No. 22-R255

INSTRUCTIONS: This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.

SPECIFICATION MIL-B-18/79C BATTERY, DRY, BA-401/U

ORGANIZATION

CITY AND STATE

CONTRACT NUMBER

MATERIAL PROCURED UNDER A

DIRECT GOVERNMENT CONTRACT SUBCONTRACT

1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?

A. GIVE PARAGRAPH NUMBER AND WORDING.

B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES

2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID

3. IS THE SPECIFICATION RESTRICTIVE?

YES NO (If "yes", in what way?)

4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)

SUBMITTED BY (Printed or typed name and activity - Optional)

DATE

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Headquarters
U.S. Army Electronics Command
Fort Monmouth, New Jersey 07703

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