

INCH-POUND

MIL-DTL-18/15E

18 September 2023

SUPERSEDING

MIL-B-18/15D

W/AMENDMENT 1

25 June 2021

MILITARY SPECIFICATION SHEET

BATTERY, DRY, BA-37

INACTIVE FOR NEW DESIGN AFTER
7 MAY 1998 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.

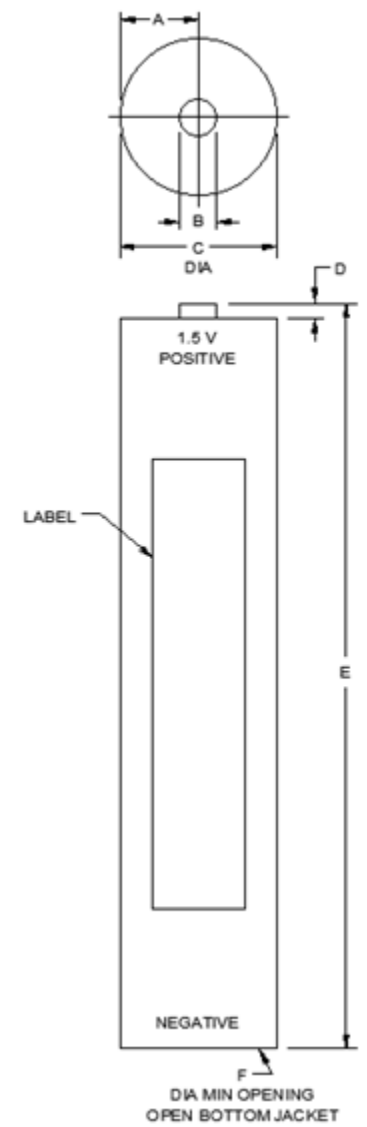
The requirements for acquiring the product described herein
shall consist of this specification sheet and [MIL-DTL-18](#).

AMSC N/A

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

FSC 6135





Ltr	Inches	Inches	mm	mm
	Min	Max	Min	Max
A	.636	.676	16.15	17.17
B	.283	.343	7.188	8.71
C	1.283	1.343	32.588	34.11
D	.065	.185	1.651	4.70
E	5.185	7.065	131.699	179.45
F	.901	.911	22.885	23.14

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± 0.005 (0.13 mm) for three place decimals and ± 0.02 (0.5 mm) for two place decimals.
4. Marking to be in accordance with [MIL-DTL-18](#).

FIGURE 1. Battery dimensions.

REQUIREMENTS:

Dimensions, marking, and configuration: See figure 1.

Nominal voltage: 1.5 volts.

Number and type of cells: 1 "J" cells.

Terminals: Flat surface.

Weight (maximum): 11 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 in accordance with [MIL-DTL-18](#):

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

Conformance inspection in accordance with [MIL-DTL-18](#):

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

Method of examination and test:

Capacity tests: See requirements for capacity specified herein.

Storage:	<u>Test</u>	<u>Period</u>
	D	12 months
	T	90 days

Discharge: The battery shall be discharged through 5 ohms continuously to a test-end voltage of 1.0 volt.

Electrolyte leakage: The battery shall be discharged through 3 ohms for 24 hours.

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
8	6.40

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

Part or Identifying Number (PIN): BA-37, see 1.2 of [MIL-DTL-18](#).

Change notations. The margins of this standard are marked with vertical lines to indicate modifications generated by this change. 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.

Custodians:

Army - CR

Navy - SH

DLA - CC

Preparing activity:

DLA - CC

(Project 6135-2023-002)

Review activities:

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.dla.mil>.