

MILITARY SPECIFICATION

CAPACITORS, FIXED, PAPER-DIELECTRIC, DIRECT CURRENT
(HERMETICALLY SEALED IN METAL CASES),
GENERAL SPECIFICATION FOR

This amendment forms a part of Military Specification MIL-C-25D, dated 21 June 1968,
and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 3

1.2.1.7, line 1: Following "capacitance", add "tolerance".

PAGE 10

3.18, dissipation factor requirement, delete and substitute:

"Dissipation factor - - - - - Shall not exceed 1 percent when measured as specified in 4.6.5, except for
characteristic F which shall not exceed 1.5 percent."

PAGE 12

4.4.4, delete and substitute:

"4.4.4 First article inspection. For styles CP75, CP76, CP77, CP78, CP80, CP81, and CP82, first article
inspection shall consist of all the tests specified in table IX in the order shown. Sample sizes shall be reduced by
one half."

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* 4.5.1.3.1, Delete in its entirety and substitute:

"4.5.1.3.1 Sampling plan. The sampling plan shall be as specified in table XII."

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* TABLE XII, delete in its entirety and substitute.

“TABLE XII Group A inspection.

Examination or test	Requirement Paragraph	Test method paragraph	Sampling procedure
Visual mechanical examination Materials Body dimensions Design and construction (other than body dimensions) Marking ^{1/} Workmanship	3.3 to 3.3.2 3.1 3.4 to 3.4.4.2 3.20 to 3.20.2 3.21 to 3.21.2	4.6.1	13 Samples 0 Failures
Insulation resistance (at 25°C) Capacitance Dissipation factor	3.6 3.7 3.8	4.6.3 4.6.4 4.6.5	13 Samples 0 Failures

^{1/} Marking defects are based on visual examination and shall be charged only for illegible, incomplete, or incorrect marking. Any subsequent electrical defects shall not be used as the basis for determining marking defects.”

* TABLE XIII, delete in its entirety and substitute.

“TABLE XIII. Group B inspection

Test	Requirement paragraph	Test method paragraph	Sampling procedure
Subgroup 1 Barometric pressure (flashover) Vibration Temperature and immersion cycling	3.9 3.10 3.12	4.6.6 4.6.7 4.6.9	5 Samples 0 Failures
Subgroup 2 Insulation resistance (at high-test temperature) Life	3.6 3.18	4.6.3 4.6.15	5 Samples 0 Failures

* 4.5.1.4.1, Delete in its entirety and substitute:

“4.5.1.4.1 Sampling plan. The sampling plan shall be as specified in table XII.”

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PAGE 16

TABLE XIV: Delete "Initial production and every month" and "Initial production and every 2 months" and substitute "Subgroup 1" and "Subgroup 2" respectively.

4.5.1.5.1, delete and substitute:

"4.5.1.5.1 Sampling plan. Sample units shall be selected from the initial production, processed for acceptance at the start of the contract, and from each year's production thereafter in accordance with table XIV. A different set of sample units shall be selected for each subgroup. Sample units of the same style (any one style covered by a specification sheet may be representative of any other style specified therein; see table XVII) shall be selected in each characteristic, irrespective of voltage and capacitance. These sample units may be in any capacitance tolerance. If the number of defectives exceeds those allowed in table XIV, the sample shall be considered to have failed."

4.5.1.5.1.1 and 4.5.1.5.1.2: Delete in their entirety.

PAGE 17

4.5.3 Delete Retention of Qualification.

4.5.3 line 1: delete "6 month intervals" and substitute "12 month intervals".

4.5.3 line 1: delete "6 month period" and substitute "12 month period".

4.5.3 line 1: delete "6 month period" and substitute "12 month period".

PAGE 23

6.2, last sentence, delete and substitute:

"Information pertaining to qualification of products may be obtained from the Defense Supply Center, Columbus (DSCC-VQP), 3990 East Broad Street, Columbus, OH 43213-1199."

PAGE 24

6.14, line 2: Delete " ± 0.2 kHz at a level of 1 ± 0.5 " and substitute " 1 ± 0.2 kHz at a level of 1 ± 0.2 ".

Under Preparing activity: Delete "Air Force - 11" and substitute "Air Force - 85".

Under Custodians: Delete "Air Force - 11" and substitute "Air Force - 85".

Under Review activities: Delete "Air Force - 85" and substitute "Air Force - 99".

PAGE 25

TABLE XVII: "Delete column heading "Style group" and substitute "Style group 1". Add the following footnote to the bottom of table XVII:

"1/ Style groups D and E may be combined for acceptance test purposes allowing selection from any one of the six styles."

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20.1.5, line 3: Delete "4.6.17" and substitute "4.6.16".

PAGE 28

30.1f, line 1: Delete "C67 and C91" and substitute "CP67 and CP91".

30.1g, line 1: Delete "CP87" and substitute "CP78".

PAGE 30

TABLE XX, columns 2 and 5, line 4: Delete "CP12A1KE105K-" and "0.08" and substitute "CP12A1KE474K-" and "0.04", respectively.

TABLE XX, columns 2 and 5, line 6: Delete "CP13A1KE105K-" and "0.08" and substitute "CP13A1KE474K-" and "0.04", respectively.

TABLE XX, columns 2, 4, and 5, line 12: Delete "CP13A1KE684K-", "IB", and "0.122" and substitute "CP13A1KF474K-", "IA", and "0.08", respectively.

TABLE XX, column 2, line 13: Delete "CP28A1EG104K1" and substitute "CP28A1EH104K1".

TABLE XX, columns 2, 5, and 6, line 24: Delete "CP70D1ER105K1", "2.8", and "7,500" and substitute "CP70E1EM504K1", "4", and "4,000", respectively.

TABLE XX, columns 2, 5, and 6, line 29: Delete "CP72D1ER105K1", "2.8", and "7,500" and substitute "CP72E1EM504K1", "4", and "4,000", respectively.

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TABLE XXI, column 2, lines 1 and 2: Delete "CP091FA6" and "CP091SA6" and substitute "CP091FB6" and "CP091SB6", respectively.

TABLE XXI, column 2, line 16: Delete "CP072SJ3" and substitute "CP072SJ11".

NOTE: The margins of this amendment are marked with asterisks to indicate where changes from the previous amendment 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 amendment.

Custodians:
Army - CR
Navy - EC
Air Force - 85

Preparing activity:
DLA-CC

Review activities:
Army - AR, MI
Navy - AS, MC, OS
Air Force - 11, 17, 19, 99

(Project 5910-1978)