

INCH-POUND

MIL-R-226840
AMENDMENT 2
28 June 1995
SUPERSEDING
AMENDMENT 1
27 June 1994

MILITARY SPECIFICATION
RESISTORS, FIXED, FILM (INSULATED)
GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-R-226840, dated 21 April 1994,
and is approved for use by all Departments and Agencies of the
Department of Defense.

PAGE 2

- 2.1.1, STANDARDS, MILITARY, delete: "MIL-STD-45662 - Calibration Systems Requirements."
- 2.2, Non-Government publication, add the following:
 - "AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
ANSI/NCSL Z540-1 - Calibration Laboratory and Measuring and Test Equipment, General Requirements for.
(Application for copies should be addressed to the American National Standards Institute, 11 West 42nd
Street, New York, NY 10036.)"
 - "INTERNATIONAL ORGANIZATION for STANDARDS (ISO)
ISO 10012-1 - Quality Assurance Requirements for Measuring Equipment, Part 1: Meteorological
Confirmation System for Measuring Equipment.
(Application for copies should be addressed to the American National Standards Institute, 11 West 42nd
Street, New York, NY 10036.)"

PAGE 6

- 4.1.2, delete and substitute:
 - "4.1.2 Test equipment and inspection facilities. The manufacturer shall establish and maintain a calibration system in accordance with ANSI/NCSL Z540-1, ISO 10012-1, or equivalent system as approved by the qualifying activity".

* 4.4.4, delete and substitute:

"4.4.4 Retention of qualification. Every 6 months, the manufacturer shall compile a summary of the results of quality conformance inspections in the form of a retention of qualification report, and forward it to the qualifying activity within 30 days from the end of the reporting period as the basis of continued qualification approval. In addition, the manufacturer shall immediately notify the qualified activity whenever the group B inspection data indicates failure of the qualified product to meet the requirements of the specification. Continuation shall be based on the evidence that over the 6-month period, the following has been met:

- a. The manufacturer has not modified the design of the item.
- b. The specification requirements for the item have not been amended so far as to affect the character of the item.
- c. Lot rejection for group A inspection does not exceed the group A sampling plan.
- d. The requirements for group B inspection are met.

When group B requirements are not met and the manufacturer has taken corrective action satisfactory to the government, group B retesting shall be instituted. A summary of the retesting shall be forwarded to the qualifying activity within 30 days after completion of the retest. All reports are to be certified by a responsible company official and the government inspector."

PAGE 10

4.5.1.4.1, delete and substitute:

"4.5.1.4.1 Sampling plan. A sample of 13 parts shall be randomly selected, if one or more defects are found, the lot shall be rescreened and defects removed. After screening and removal of defects, a new sample of 13 parts shall be randomly selected, if one or more defects are found in the second sample, the lot shall be rejected and shall not be supplied to this specification."

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TABLE VI, delete and substitute:

"TABLE VI. Group B inspection. 1/

Test	Requirement paragraph	Method paragraph	Number of samples
Resistance-temperature characteristic	3.16	4.6.11	see 4.5.1.4.1
Short-time overload	3.10	4.6.5	
Resistance to solvents (Alpha-numeric marking)	3.21	4.6.16	

1/ If the manufacturer can demonstrate that these tests have been performed five consecutive times with zero failures, the frequency of these tests, with the approval of the qualifying activity, can be performed on an annual basis. If the design, material, construction, or processing of the part is changed, or if there are any quality problems or failures, the qualifying activity may require resumption of the original test frequency."

TABLE VII, delete in its entirety.

PAGES 11 AND 12

* 4.5.1.5 through 4.5.1.5.4, delete in their entirety.

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PAGE 12

- * TABLE VIII, delete in its entirety.

PAGE 17

- * 4.6.12f, delete and substitute:

"f. Measurements during test. Measurements may be made inside or outside the chamber. DC resistance shall be measured at the end of the 30 minutes off periods, after 250 +72, -24; 500 +72, -24; 1,000 +72, -24 hours have elapsed. Measurements shall be made as near as possible to the specified time but may be adjusted so that measurements need not be made during other than normal weekdays."

CONCLUDING MATERIAL

Custodians:

Army - ER
Navy - EC
Air Force - 85

Review activities:

Army - AR, AT, AV, ME, MI
Navy - AS, CG, MC, OS
Air Force - 17, 19, 99

Preparing activity:

Army - ER

Agent:

DLA - ES

(Project 5905-1415)