

INCH-POUND

MIL-PRF-18546E
AMENDMENT 4
13 February 1998
SUPERSEDING
AMENDMENT 3
9 December 1997

PERFORMANCE SPECIFICATION
RESISTORS, FIXED, WIRE-WOUND
(POWER TYPE, CHASSIS MOUNTED),
GENERAL SPECIFICATION FOR

This amendment forms a part of ML-PRF-18546E, dated 3 May 1994,
and is approved for use by all Departments and Agencies of the
Department of Defense.

PAGE 1

Beneficial comments, delete and substitute:

“

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to:DSCC-VAM, 3990 E. Broad St., Columbus, OH 43213-1199, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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PAGE 2

1.2.1.3, delete "0R05" and "0R10" and substitute "R050" and "R100".

PAGE 3

3.4, add the following, "c. or equivalent method."

3.4.1.1, delete in its entirety

PAGE 4

3.4.1.2, delete in its entirety.

3.4.1.3, delete in its entirety.

3.4.3, first sentence, delete and substitute:

"The housing shall be protected against corrosion."

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PAGE 5

3.10, delete in its entirety.

PAGE 7

4.5.1, delete and substitute the following:

"4.5.1 Inspection of product for delivery Inspection of product for delivery shall consist of groups A and B inspections."

4.5.1.2.1.3.2b, line 4, delete "Thirteen" and substitute "Five".

PAGE 8

TABLE III, Group II, delete "Temperature" and specified requirement paragraph and method paragraph.

PAGE 9

4.5.1.3.1, delete and substitute the following:

"4.5.1.3.1 Sampling plan (group B). A sample of 13 parts (highest value) 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."

PAGE 10

TABLE VI, delete and substitute the following:

"TABLE VI. Group B inspection 1/

Inspection	Requirement paragraph	Test method paragraph	Number of sample	Number of defects allowed
Resistance temperature characteristic	3.9	4.6.5	13 (highest value)	0

1/ If the manufacturer can demonstrate that this test has been performed five consecutive times with zero failures, the frequency of this test, 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."

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TABLE VII, delete in its entirety.

4.5.1.4 through 4.5.1.4.3 inclusive, delete in their entirety.

PAGE 11

TABLE VIII, delete in its entirety.

PAGE 12

* 4.5.3, delete and substitute the following:

"4.5.3 Retention of qualification Once a year, 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 qualifying 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 1-year 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 13

4.6.6, delete in its entirety.

PAGE 16

4.6.12.2, last line, after damage, add the following: "Measurement 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."

4.6.13b, delete "C" and substitute "I".

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* 6.2, last sentence, delete and substitute:

“The activity responsible for the qualification of this product is the Defense Supply Center, Columbus, DSCC-VQP, 3990 E. Broad St., Columbus, OH 43213-1199. DSCC-VQP may be reached at the DSCC web site, www.dscc.dla.mil/VX/q/Vqp.”

The margins of this amendment are marked with an asterisk 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:
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Navy - EC
Air Force - 85

Preparing activity:
DLA - CC
(Project 5905-1526)

Review activities:
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Navy - MC
Air Force - 17, 99