

MILITARY SPECIFICATION

RESISTORS, FIXED, METER MULTIPLIER, EXTERNAL
(HIGH VOLTAGE, FERRULE TERMINAL TYPE)

This amendment forms a part of MIL-R-29A, dated 31 May 1960,
and is approved for use by all Departments and Agencies of the
Department of Defense.

PAGE 1

*2.1, SPECIFICATIONS, FEDERAL: Delete in its entirety (including changes made in previous amendments).

*2.1, SPECIFICATIONS, MILITARY: Delete "MIL-P-116", "MIL-B-10377", and corresponding titles.

*2.1, SPECIFICATIONS, MILITARY, add the following:

"MIL-R-39032 - Resistors, Preparation for delivery of."

PAGE 2

*2.1, STANDARDS, MILITARY: Delete "MIL-STD-105" and corresponding title.

PAGE 3

3.5.1.1.1, line 10: Delete "ni" and substitute "in."

PAGES 4 AND 5

3.14, second sentence, delete and substitute:

"The change in resistance between the initial and any succeeding measurement shall not exceed 1 percent."

PAGE 6

Under dimension tabulation at top of page, delete "FIGURE 1." and substitute "FIGURE 2."

4.1.1, line 1, following "The supplier", insert "is".

PAGE 7

*4.5 and 4.5.1, delete and substitute:

*4.5 Quality conformance inspection.

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

4.5.1.1, line 2: Delete "practical" and substitute "practicable."

*4.5.1.2, second, third, and fourth sentences, delete in their entirety.

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AMENDMENT 3

*add the following new paragraph:

"4.5.1.2.1 Sampling plan. A sample of parts from each inspection lot shall be randomly selected in accordance with table II-1, 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 parts shall be randomly selected in accordance with table II-1, if one or more defects are found in the second sample, the lot shall be rejected and shall not be supplied to this specification. Resistance values shall be representative, and where possible, in proportion to the resistors in the inspection lot."

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*TABLE II, delete and substitute:

"TABLE II. Group A inspection.

Test	Requirement paragraph	Method paragraph	Number of samples
Visual and mechanical examination: Body and mounting dimensions Marking 1/ Concentricity and parallelism of ferrules Workmanship DC resistance	3.1, 3.5 3.18 3.5.5 3.19, 3.19.1 3.8	4.6.1 4.6.4	See 4.5.1.2.1

1/ Marking defects shall be charged only for illegible, incorrect, or incomplete marking. "

*Following TABLE II, add the following new table:

"TABLE II-1. Group A sampling plan.

Lot size	Sample size
2 to 13	100%
14 to 150	13
151 to 280	20
281 to 500	29
501 to 1200	34
1201 to 3200	42
3201 to 10000	50
10001 to 35000	60
35001 to 150000	74
150001 to 500000	90
500001 and over	102

*TABLE III, delete and substitute:

"TABLE III. Group B inspection.

Test	Requirement paragraph	Method paragraph	Number of samples
Dielectric withstanding voltage	3.6	4.6.2	See
Insulation resistance	3.7	4.6.3	4.5.1.3.1
Short-time overload	3.9	4.6.5	"
Resistance-temperature characteristic	3.11	4.6.7	"

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AMENDMENT 3

*4.5.1.3.1, delete and substitute:

"4.5.1.3.1 Sampling plan. A sample of parts shall be randomly selected in accordance with table IV, 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 parts shall be randomly selected in accordance with table IV, if one or more defects are found in the second sample, the lot shall be rejected and shall not be supplied to this specification."

*4.5.1.4, 4.5.1.4.1, 4.5.1.4.2, and 4.5.1.4.3, delete in their entirety.

PAGE 9

*TABLE IV, delete and substitute:

"TABLE IV. Group B sampling plan.

Lot size	Sample size
2 to 5	100%
6 to 50	5
51 to 90	7
91 to 150	11
151 to 280	13
281 to 500	16
501 to 1200	19
1201 to 3200	23
3201 to 10000	29
10001 to 35000	35
35001 and over	40

PAGES 11 AND 12

* Section 5, delete and substitute (including changes made in previous amendments):

"5. PACKAGING.

5.1 Packaging requirements. The requirements for packaging shall be in accordance with MIL-R-39032."

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.

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, 80
DLA - ES

Preparing activity:

Army - ER

Agent:

DLA - ES

(Project 5905-1377)