

INCH-POUND

MIL-T-27E  
 AMENDMENT 2  
 6 June 1994  
 SUPERSEDING  
 AMENDMENT 1  
 3 March 1987

## MILITARY SPECIFICATION

TRANSFORMERS AND INDUCTORS  
 (AUDIO, POWER, AND HIGH-POWER PULSE),  
 GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-T-27E, dated 4 April 1985,  
 and is approved for use by all Departments and Agencies of  
 the Department of Defense.

PAGE 2

1.2.3.1, line 1, delete "1.2.3.1" and substitute "1.2.1.3".

PAGE 5

- \* 2.1, STANDARDS, MILITARY, delete:

"MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes."

PAGE 12

3.30, delete and substitute:

"3.30 Workmanship. All transformers and inductors shall be processed in such a manner as to be uniform in quality and free of defects that will affect function, life or serviceability."

PAGE 13

- \* 4.5.3, in the first sentence delete "36 months" and replace with "60 months".

PAGE 17

- \* TABLE VIII, subgroup II, delete last two columns under, "AQL (percent defective)".

- \* 4.7.1.2.1, delete and substitute:

"4.7.1.2.1 Sampling plan. If, during the 100 percent inspection of subgroup I, more than 5 percent of the lot is found to be defective, the lot shall be rejected and not supplied to this specification. For subgroup II, a sample of parts shall be randomly selected from each inspection lot in accordance with table VIII-A. If one or more defects are found, the lot shall be rescreened for the defective characteristic(s) and defects removed.

After screening and removal of the defects, a new sample of parts shall be randomly selected in accordance with table VIII-A. If one or more defects of the same characteristic which caused the initial rejection are found in the second sample, the lot shall be rejected and not supplied to this specification.

Should an additional defective characteristic be found during resubmission, other than the defective characteristic which caused the original rejection, it shall be treated as an initial rejection and subject to rescreening as stated above."

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\* After 4.7.1.2.1, add:

" TABLE VIII-A. Sampling plan.

Lot size	Group A		Group B
	Subgroup I	Subgroup II	
1 to 5	100 percent	100 percent	100 percent
6 to 13	100 percent	100 percent	5
14 to 50	100 percent	13	5
51 to 90	100 percent	13	7
91 to 150	100 percent	13	11
151 to 280	100 percent	20	13
281 to 500	100 percent	29	16
501 to 1,200	100 percent	34	19
1,201 to 3,200	100 percent	42	23
3,201 to 10,000	100 percent	50	29
10,001 to 35,000	100 percent	60	35
35,001 to 150,000	100 percent	74	40
150,001 to 500,000	100 percent	90	40
500,001 and over	100 percent	102	40

\* 4.7.1.2.2, delete in its entirety.

PAGE 18

\* 4.7.1.3.1, delete and substitute:

"4.7.1.3.1 Sampling plan. A sample of parts shall be randomly selected from each inspection lot in accordance with table VIII-A. 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 VIII-A. If one or more defects are found in the second sample, the lot shall be rejected and shall not be supplied to this specification."

\* 4.7.1.3.2, delete in its entirety.

PAGE 22

4.8.7, line 1, delete "6.15.13" and substitute "6.14.13".

PAGE 25

4.8.8.3, line 4, delete "table XII" and substitute "table XI".

PAGE 28

FIGURE 5, delete "source impedance" and substitute "source impedance".

The margins of this amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) 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.

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CONCLUDING MATERIAL

Custodians:

Army - ER  
Navy - EC  
Air Force - 85

Review activities:

Army - AR, ME  
Navy - MC, YD  
Air Force - 19  
DLA - ES

Preparing activity:  
Army - ER

Agent:  
DLA - ES

(Project 5950-0851)