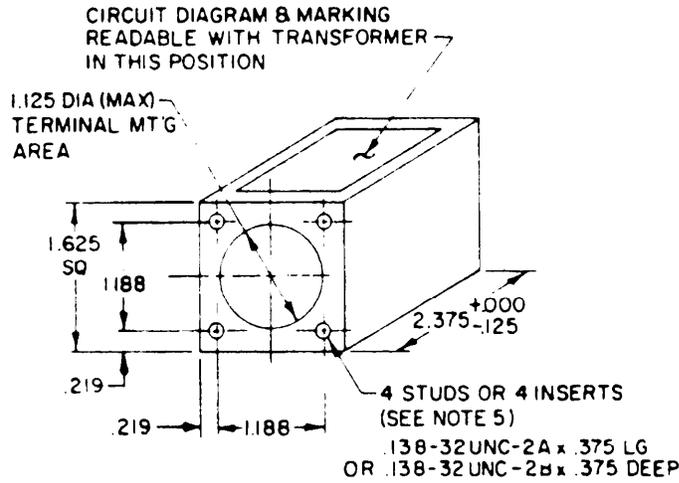


MILITARY SPECIFICATION SHEET

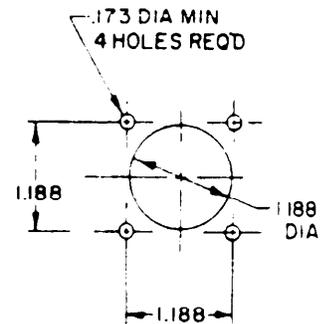
Ⓐ TRANSFORMER, AUDIO FREQUENCY, TF4R21AJ

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for procuring the transformer described herein shall consist of this document and the latest issue of Specification MIL-T-27.

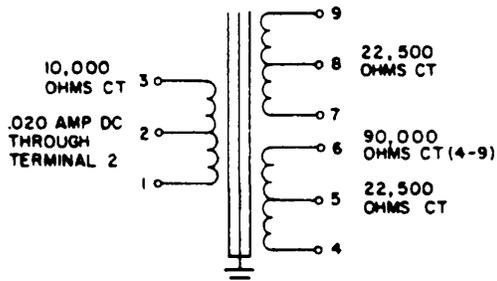


MINIMUM CHASSIS CUTOUT



300 TO 10,000 Hz

POWER LEVEL: 15 DBM MAX
 WORKING VOLTAGE: 175 V MAX



MAX ALTITUDE: 50,000 FT

CIRCUIT DIAGRAM and marking

INCHES	MM
.125	3.18
.138	3.51
.219	5.56
.375	9.53
1.125	28.58
1.188	30.18
1.625	41.28
2.375	60.33

NOTES:

- Dimensions are in inches.
- Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
- Unless otherwise specified, tolerance on overall case dimensions is +.000 (.00 mm) -.063 (1.60 mm).
- Tolerance on mounting dimensions is +.016 (.41 mm).
- Inserts not recommended for new design.
- Terminal arrangement optional within mounting area indicated.
- When numbers in parentheses, e.g. (1-3), are used, they indicate the winding and the extreme terminals of the winding. When the extreme terminals of two windings are used, e.g. (4-9), the windings are connected in series, i.e., terminals 6 and 7 are connected.

Ⓐ denotes change

Insertion loss - 1.0 dB maximum, with 20 V, input at 1,000 Hz across (1-3).

Resonance - Second resonant frequency = 20,000 Hz, minimum.

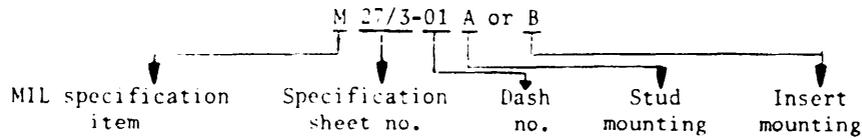
Polarity - Additive, with terminals 3 and 4, and 6 and 7 connected.

Temperature rise: 40°C maximum, above an ambient of 65°C, with rated power at 300 Hz.

Vibration, high frequency: Method 204, test condition B.

Shock (specified pulse): Method 213, test condition I.

Part number example:



(For cross reference of MS part number to military part number, see table I.)

TABLE I. Cross reference.

Mounting	MS90000B		M27/3	
	Dash no.	Type designation	Dash no.	Ⓐ Type designation
Studs	-A	TF4RX15AJ001	-01A	TF4R21AJ
Inserts	-B	TF4RX15AJ001	-01B	TF4R21AJ

Ⓐ NOTE: Qualification approval to MIL-T-27/3 shall be sufficient to grant qualification approval to MIL-T-27/4 through MIL-T-27/6.

Custodians:

- Army - EL
- Navy - EC
- Air Force - 85

Preparing activity:

Army - EL

Agent:

DSA - ES

Review activities:

- Army - EL, MU
- Navy - EC
- Air Force - 11, 17, 99
- DSA - ES

(Project 5950-0533-1)

User activities:

- Army - ME
- Navy - MC, AS
- Air Force - 19

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NOTE: This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

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DEPARTMENT OF THE ARMY



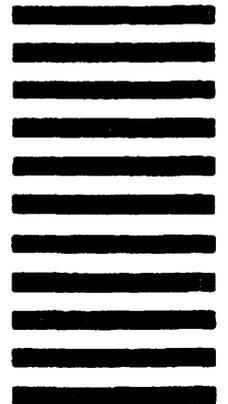
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4. TYPE OF ORGANIZATION (Mark one)

VENDOR

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b. ADDRESS (Street, City, State, ZIP Code)

5. PROBLEM AREAS

a. Paragraph Number and Wording:

b. Recommended Wording:

c. Reason/Rationale for Recommendation:

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7a. NAME OF SUBMITTER (Last, First, MI) - Optional

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