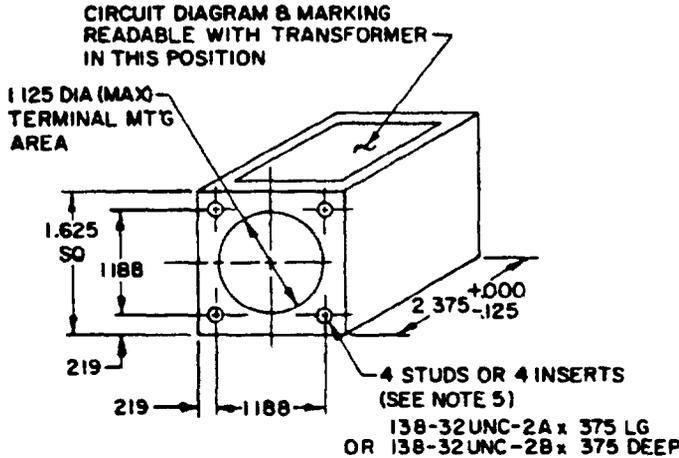


MILITARY SPECIFICATION SHEET

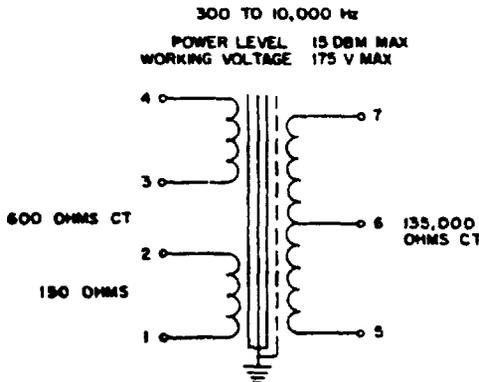
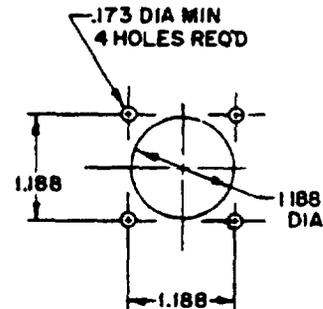
Ⓐ TRANSFORMER, AUDIO FREQUENCY, TF4R21AJ

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



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

MAX ALTITUDE 50,000 FT

CIRCUIT DIAGRAM and marking

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. (1-2), are used, they indicate the winding and the extreme terminals of the winding. When the extreme terminals of two windings are used, e.g. (1-4), the windings are connected in series, i.e., terminals 2 and 3 are connected.

Ⓐ denotes change



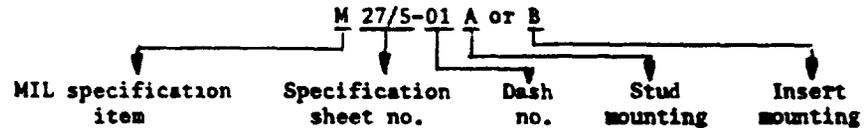
Temperature rise: 40°C maximum, above an ambient of 65°C, with rated power at 300 Hz.

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

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

Electrostatic shielding: Voltage ratio - 5 to 1 at 20,000 Hz, minimum.

Part number example:



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

TABLE I. Cross reference.

Mounting	MS90002C		M27/5	
	Dash no.	Type designation	Dash no.	(A) Type designation
Studs	-A	TF4RX10AJ001	-01A	TF4R21AJ
Inserts	-B	TF4RX10AJ001	-01B	TF4R21AJ

(A) NOTE: Qualification approval to MIL-T-27/5 shall be sufficient to grant qualification approval to MIL-T-27/4 and 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 5950-0533-2)

User activities:  
 Army - ME  
 Navy - MC, AS  
 Air Force - 19

SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No 22-R255
<p><b>INSTRUCTIONS.</b> This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.</p>		
<p><b>SPECIFICATION</b>      MIL-T-27/5A TRANSFORMER, AUDIO FREQUENCY, TFLR21AJ</p>		
<p><b>ORGANIZATION</b></p>		
<p><b>CITY AND STATE</b></p>		<p><b>CONTRACT NUMBER</b></p>
<p><b>MATERIAL PROCURED UNDER A</b>  <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT      <input type="checkbox"/> SUBCONTRACT</p>		
<p><b>1 HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?</b>  <b>A GIVE PARAGRAPH NUMBER AND WORDING</b></p>		
<p><b>B RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES</b></p>		
<p><b>2 COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID</b></p>		
<p><b>3 IS THE SPECIFICATION RESTRICTIVE?</b>  <input type="checkbox"/> YES      <input type="checkbox"/> NO (If "yes", in what way?)</p>		
<p><b>4 REMARKS</b> (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity.)</p>		
<p><b>SUBMITTED BY</b> (Printed or typed name and activity - Optional)</p>		<p><b>DATE</b></p>

DD FORM 1426  
1 JAN 66

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED

ESC-FM 1068-68

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