

REV. Status

REVISION A
REVISED AND
REDRAWN ON
CAD/CAM
03/28/96 TS

REVISION B
ADDED RoHS
12/05/05 MP

REVISION C
ADDED TEMP
RATING
5/5/15 MP

AUDIO COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω WITH 600Ω CT, 150Ω SPLIT LOAD ON SECONDARY.

A. Electrical Specifications (@ 20 ° C)

1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 600Ω CT, 150Ω SPLIT
3. Pri DC Current; 3 mA MAX
4. Operating Level; 50 mW MAX @ 300 Hz
5. Frequency Response (relative to 1 KHz); ±2.0 dB, @ 300 Hz to 100 KHz
6. Longitudinal Balance; 60 dB MIN @ 1 KHz
7. DC Resistance;
 - (1-2) 70Ω ±20%
 - (3-6) 95Ω ±20%
8. Turns Ratio; (1-2) : (3-4) : (5-6) = 2 : 1.00 : 1.00 ±2%
9. Dielectric Strength; 1000 Vrms 0.5 minute @ Pri - Sec

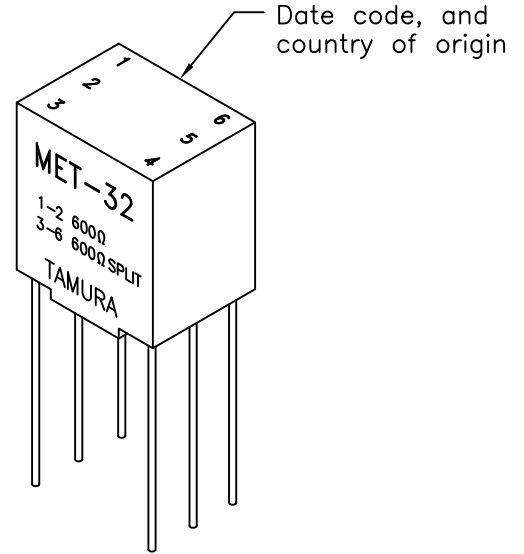
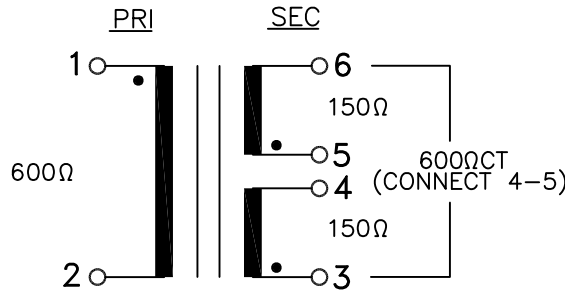


MODEL NUMBER
MET-32

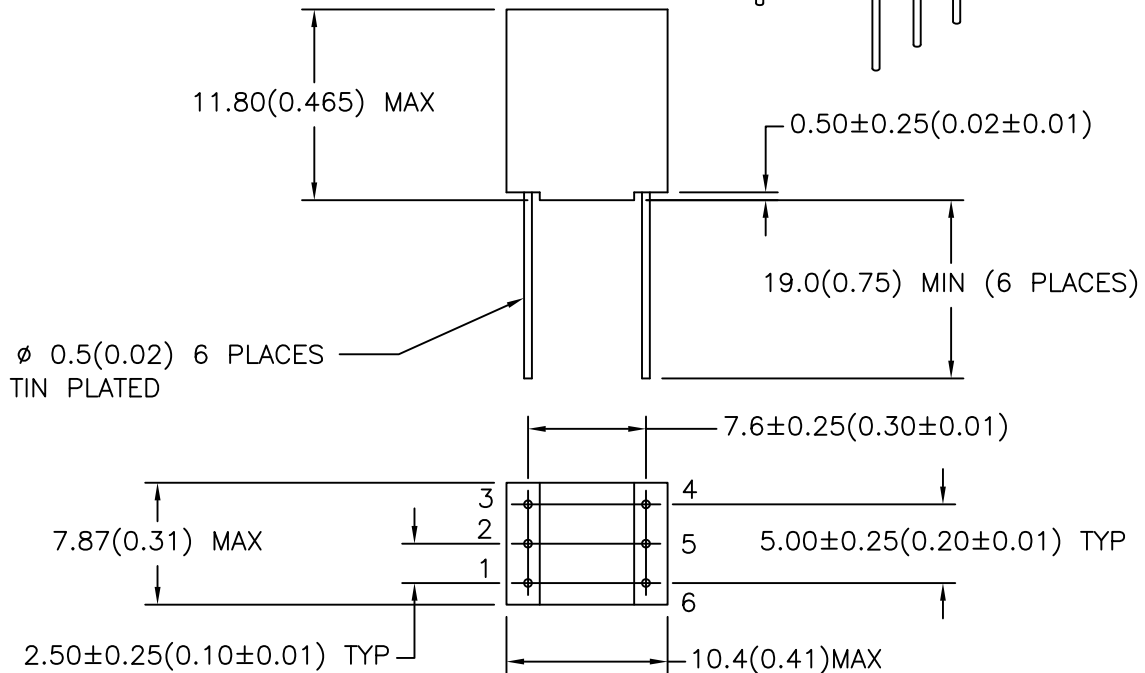
B. Marking; MET-32, TAMURA, Primary and Secondary Impedance, date code and country of origin

C. Operating Temperature: -20 to +85°C
Storage Temperature: -55 to +105°C

D. Schematic Diagram



E. Mechanical Specifications



| TOLERANCES (mm) | |
|-----------------|-------|
| ≤ 4 | ± 0.2 |
| 4 ≤ 20 | ± 0.3 |
| 20 ≤ 50 | ± 0.4 |

PREPARED BY:

C. POPPE

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|--|-----------------------------------|----------|--|--------------------------------------|
| ENGINEER: MATHI P. | DRAWING CONTROL NO. P-A1-10329 | REV C | MODEL DESCRIPTION AUDIO COUPLING MINIATURE ENCAPSULATED XFMR | MODEL SPECIFICATION MET-32 |
| SAFETY ENGINEER | | | DIM: mm[In] SCL: 2/1 SH: 1 OF 1 | |
| CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE | | | TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536 | |
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