

REV. Status
REVISION - 12/12/95 TS
REVISION A ADDED RoHS 12/01/05 MP
REVISION B ADDED TEMP RATING 4/28/15 MP

AUDIO COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 10mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 200KΩCT WITH 1KΩCT LOAD ON SECONDARY.

MODEL NUMBER  
**MET-01**

A. Electrical Specifications (@ 20 ° C)

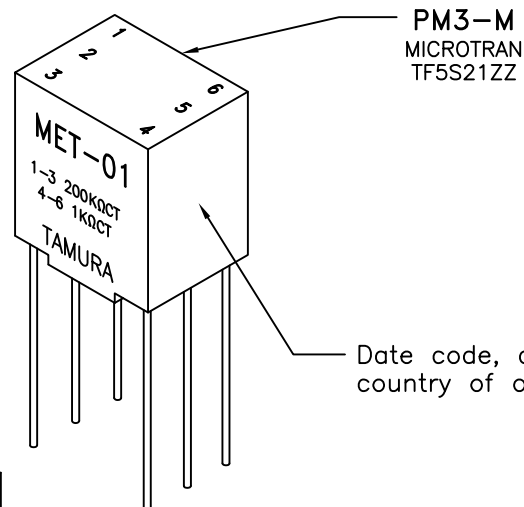
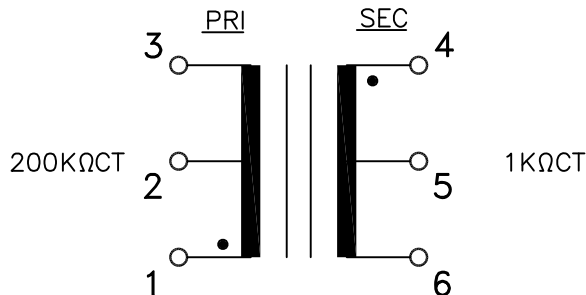
1. Pri Source Impedance; 200K Ω CT
2. Sec Load Impedance; 1KΩ CT
3. Pri DC Current; 0 mA MAX
4. Operating Level; 10mW MAX @ 300 Hz
5. Frequency Response (relative to 1 KHz); ±2.0 dB, @ 300 Hz to 100 KHz
6. Longitudinal Balance; 60 dB MIN @ 1 KHz
7. DC Resistance;
  - (1-3) 5300 Ω ±20%
  - (4-6) 120 Ω ±20%
8. Turns Ratio; (1-3) : (4-6) = 14.1 : 1 ±2%
9. Dielectric Strength; 500 Vrms 0.5 minute @ Pri - Sec



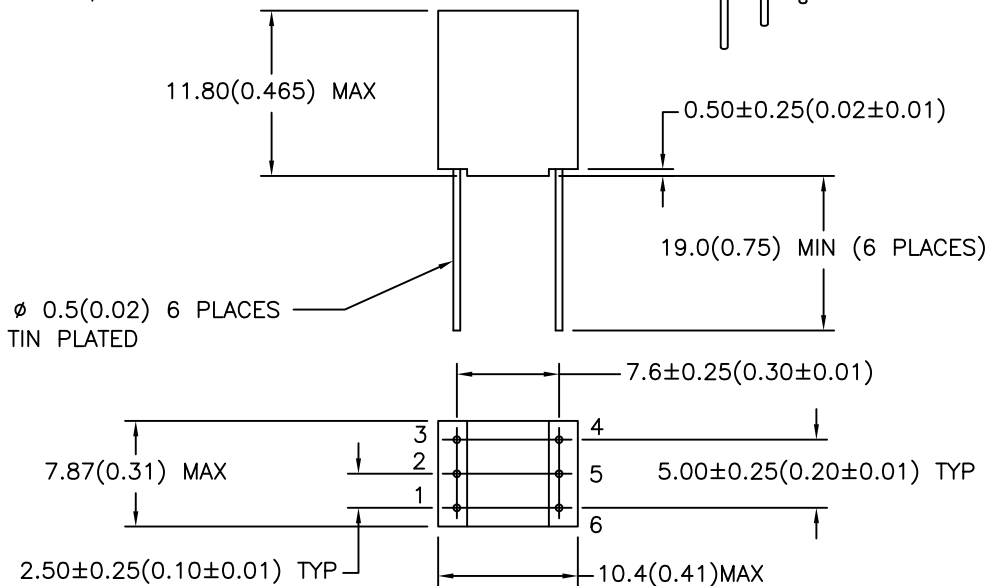
B. Marking; MET-01, TAMURA, Primary and Secondary Impedance, PM3-M, MICROTRAN, TF5S21ZZ, date code and country of origin

- 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

ENGINEER:

MATHI P.

SAFETY ENGINEER

DRAWING CONTROL NO. P-A1-11490	REV B	MODEL DESCRIPTION AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MODEL SPECIFICATION <b>MET-01</b>
CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		<b>TAMURA CORPORATION OF AMERICA</b> 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536	DIM: mm[In] SCL: 2/1 SH: 1 OF 1

APPROVED:

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