

REV. Status

REVISION - 01/20/95 TS
REVISION A ADDED PM35-M MICROTRAN 10/27/95 TS
REVISION B ADDED RoHS 12/05/05 MP
REVISION C ADDED TEMP RATING 5/6/15 MP

AUDIO COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 500Ω WITH 50Ω LOAD ON SECONDARY.

MODEL NUMBER  
**MET-39**

A. Electrical Specifications (@ 20 ° C)

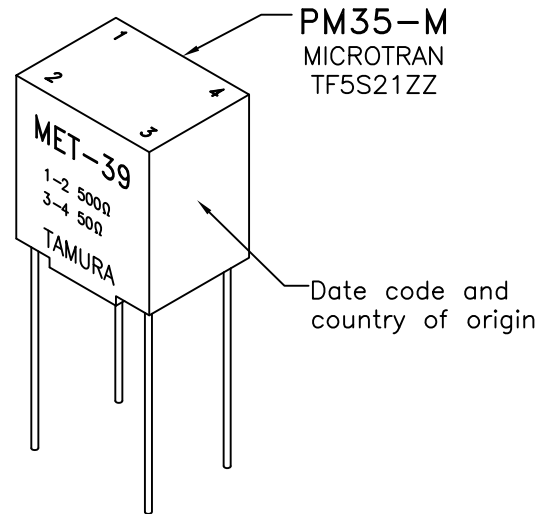
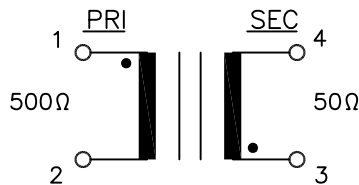
1. Pri Source Impedance; 500Ω
2. Sec Load Impedance; 50 Ω
3. Pri DC Current; 3 mA MAX
4. Operating Level; 50 mW MAX @ 300 Hz
5. Frequency Response (relative to 1 KHz); ±2.0 dB, @ 300 Hz to 100 KHz
6. Longitudinal Balance; 60 dB MIN @ 1 KHz
7. DC Resistance;
  - (1-2) 55Ω ±20%
  - (3-4) 8Ω ±20%
8. Turns Ratio; (1-2) : (3-4) = 3.16 : 1.00 ±2%
9. Dielectric Strength; 500 Vrms 0.5 minute @ Pri - Sec



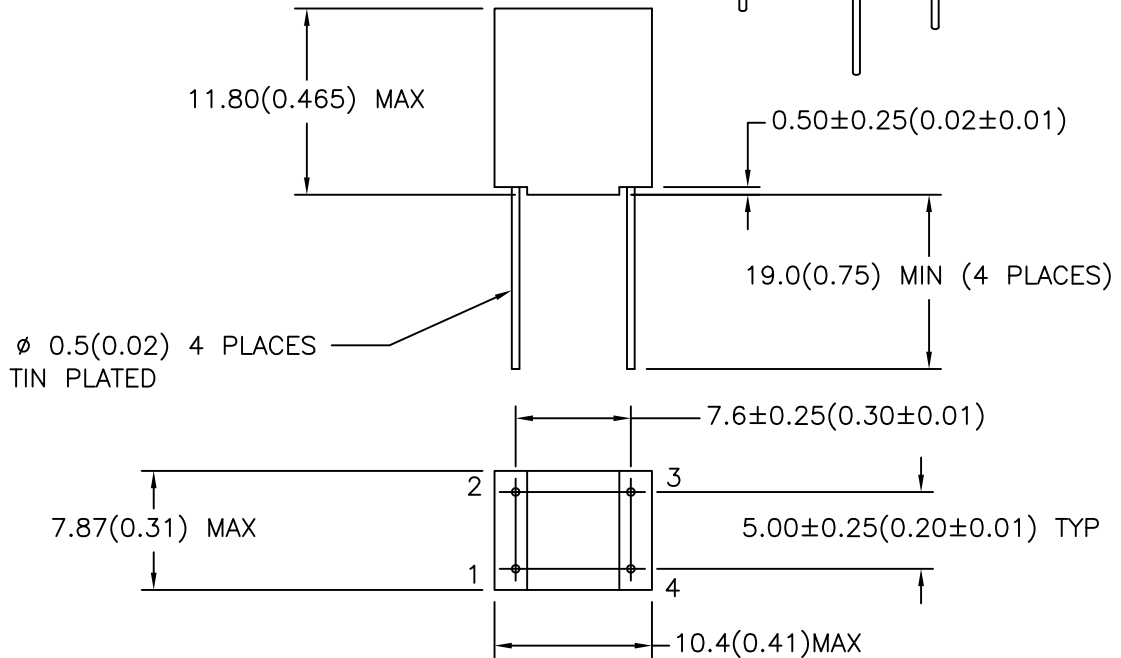
B. Marking; MET-39, TAMURA, Primary and Secondary Impedance, pin numbers, PM35-M, MICROTRAN, TF5S21ZZ, 196-date code and country of origin

- 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.	DRAWING CONTROL NO. P-A1-11233	REV C	MODEL DESCRIPTION AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MODEL SPECIFICATION <b>MET-39</b>
SAFETY ENGINEER	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
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