

REV. Status

REVISION – 10/27/95 TS
REVISION A ADDED RoHS 12/08/05 MP
REVISION B ADDED TEMP RATING 5/6/15 MP

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

A. Electrical Specifications (@ 20 ° C)

1. Pri Source Impedance; 200KΩ
2. Sec Load Impedance; 1KΩ
3. Pri DC Current; 0 mA MAX
4. Operating Level; 10 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) 6KΩ ±20%  
(3-4) 119Ω ±20%
8. Turns Ratio; (1-2) : (3-4) = 14.1 : 1 ±2%
9. Dielectric Strength;  
500 Vrms 0.5 minute @ Pri – Sec

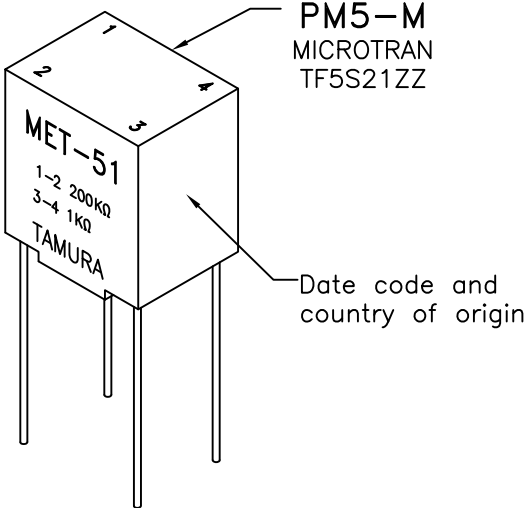
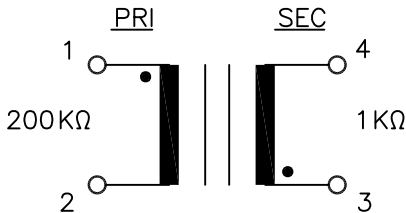


MODEL NUMBER  
**MET-51**

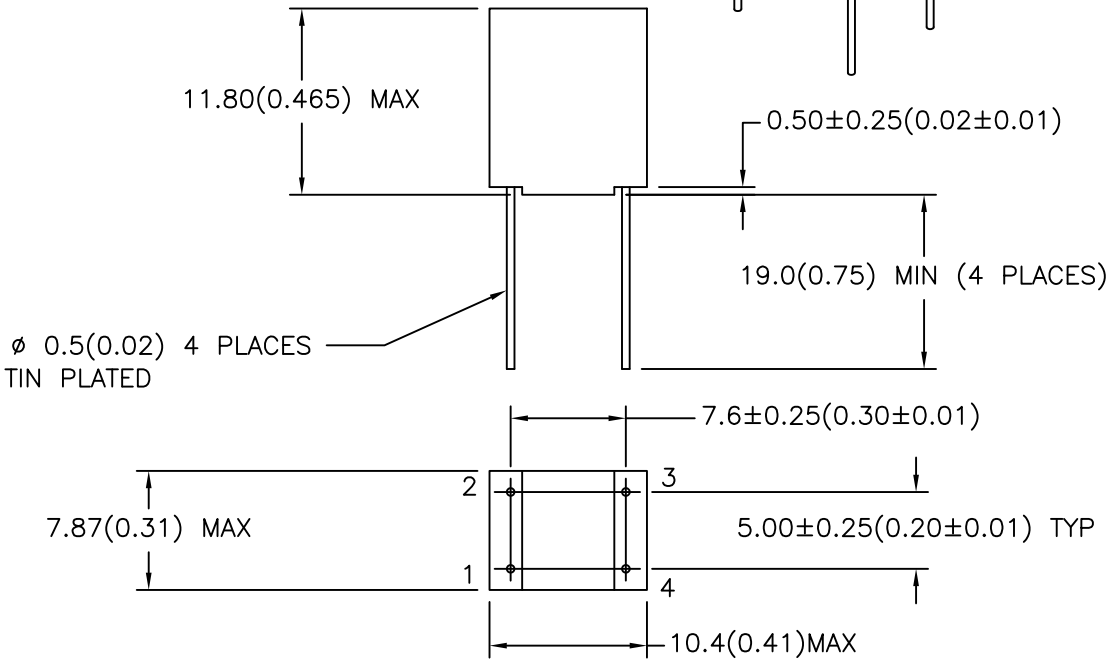
B. Marking; MET-51, TAMURA, Primary and Secondary Impedance, pin numbers, PM5-M, MICROTRAN, TF5S21ZZ, 196-date code and country of origin

- 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-A1-11419	REV B	MODEL DESCRIPTION AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MODEL SPECIFICATION <b>MET-51</b>
SAFETY ENGINEER	<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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