

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.

A. Electrical Specifications (@ 20 ° C)

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



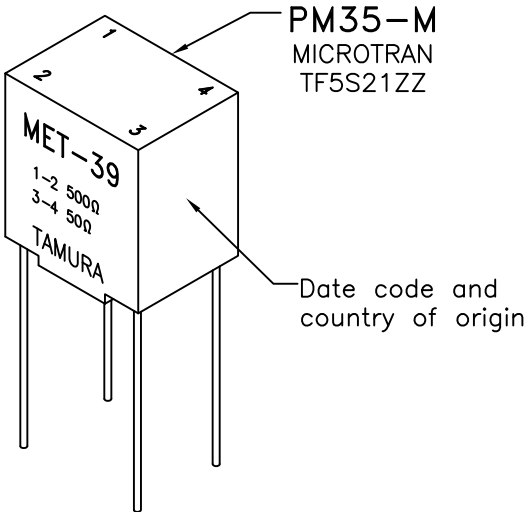
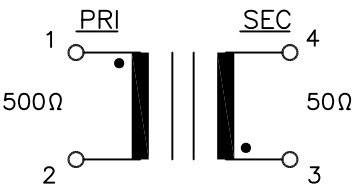
MODEL NUMBER

MET–39

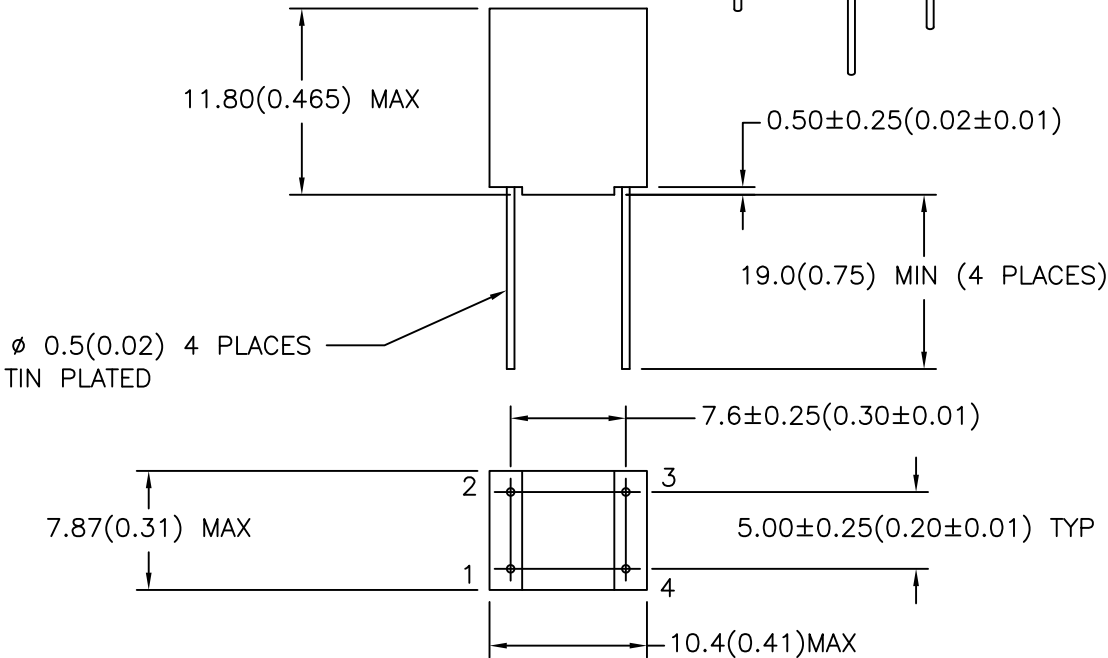
B. Marking; MET–39, TAMURA, Primary and Secondary Impedance, pin numbers, PM35–M, MICROTRAN, TF5S21ZZ, 196–date code and country of origin

- 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:	DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION		
MATHI P.	P-A1-11233	C	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-39		
SAFETY ENGINEER	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		DIM: mm[In] SCL: 2/1 SH: 1 OF 1	
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M. PITCHAI						