

REV. Status

REVISION –
01/20/95 TSREVISION A
ADDED PM35–M
MICROTRAN
10/27/95 TSREVISION B
ADDED RoHS
12/05/05 MPREVISION 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)

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



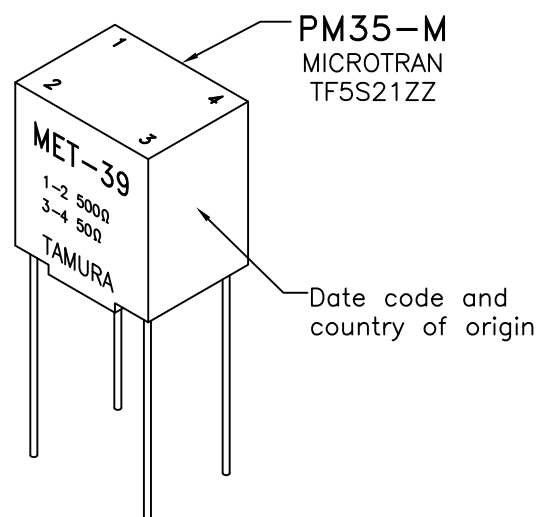
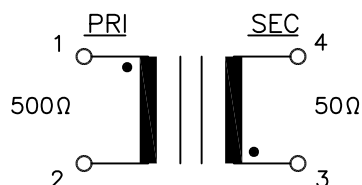
MODEL NUMBER

MET–39

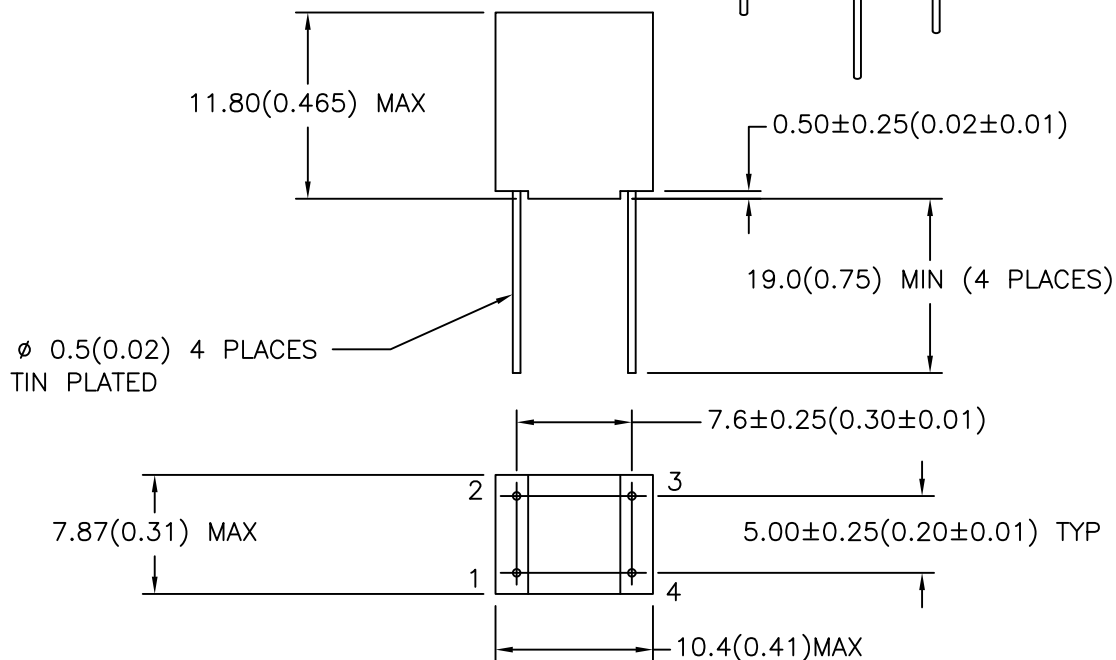
B. Marking; MET–39, TAMURA, Primary and Secondary Impedance, pin numbers, PM35–M, MICROTRAN, TF5S21ZZ, 196–date code and country of origin

- 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:

MATHI P.

SAFETY ENGINEER

DRAWING CONTROL NO.

P–A1–11233

REV

C

MODEL DESCRIPTION

AUDIO COUPLING
MINIATURE ENCAPSULATED XFMR

MODEL SPECIFICATION

MET–39

CONTENTS OF THIS DRAWING ARE
SUBJECT TO CHANGE WITHOUT
PRIOR NOTICE

TAMURA CORPORATION OF AMERICA1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029
(951) 699–1270 FAX 7607400536

DIM: mm[In] SCL: 2/1 SH: 1 OF 1

APPROVED:

M. PITCHAI

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.