

## 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



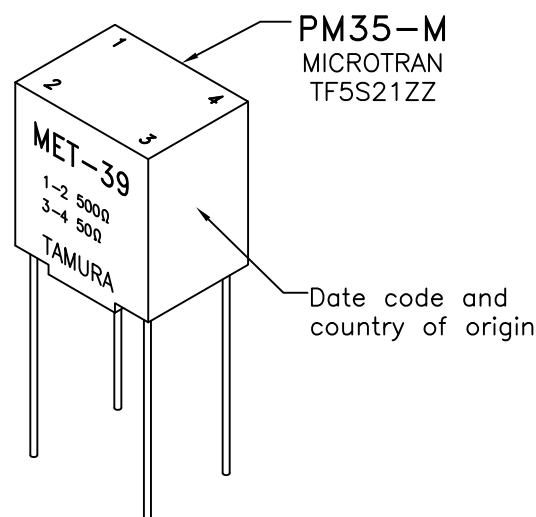
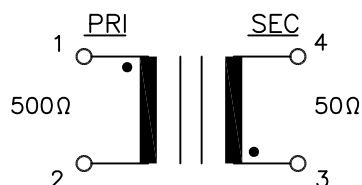
MODEL NUMBER

MET–39

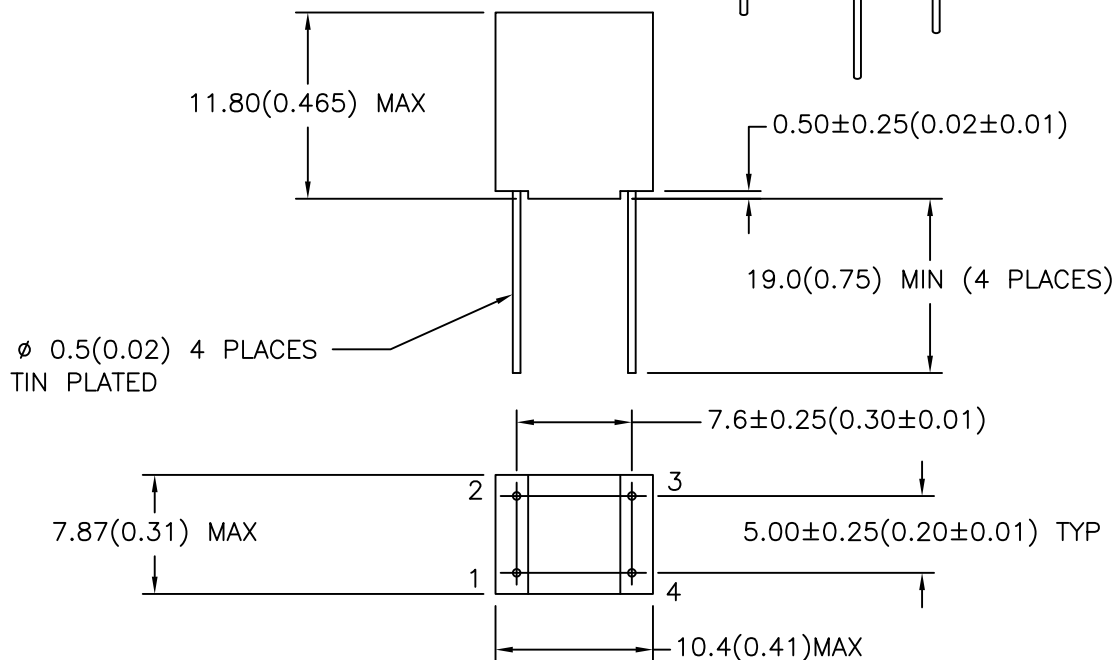
## B. Marking; MET–39, TAMURA, Primary and Secondary Impedance, pin numbers, PM35–M, MICROTRAN, TF5S21ZZ, 196–date code and country of origin

- 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  
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APPROVED:

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