

AUDIO COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 40mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 25KΩ WITH 1KΩ LOAD ON SECONDARY.

A. Electrical Specifications (@ 20°C)

1. Pri Source Impedance; 25KΩ
2. Sec Load Impedance; 1KΩ
3. Pri DC Current; 0.25mA MAX
4. Operating Level; 40mW MAX @ 300Hz
5. Frequency Response (relative to 1KHz);
±2.0dB, @ 300Hz to 100KHz
6. Longitudinal Balance; 60dB MIN @ 1KHz
7. DC Resistance;
(1-2) 1700Ω ±20%
(3-4) 110Ω ±20%
8. Turns Ratio; (1-2) : (3-4) = 5.0 : 1 ±2%
9. Dielectric Strength;
500Vrms 0.5 minute @ Pri - Sec

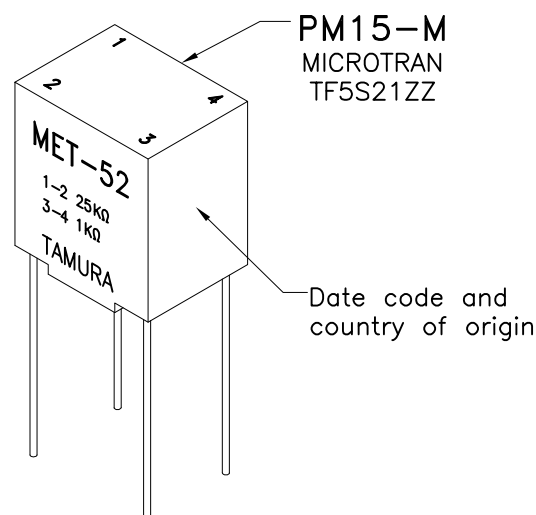
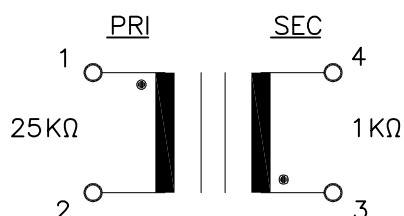


MODEL NUMBER

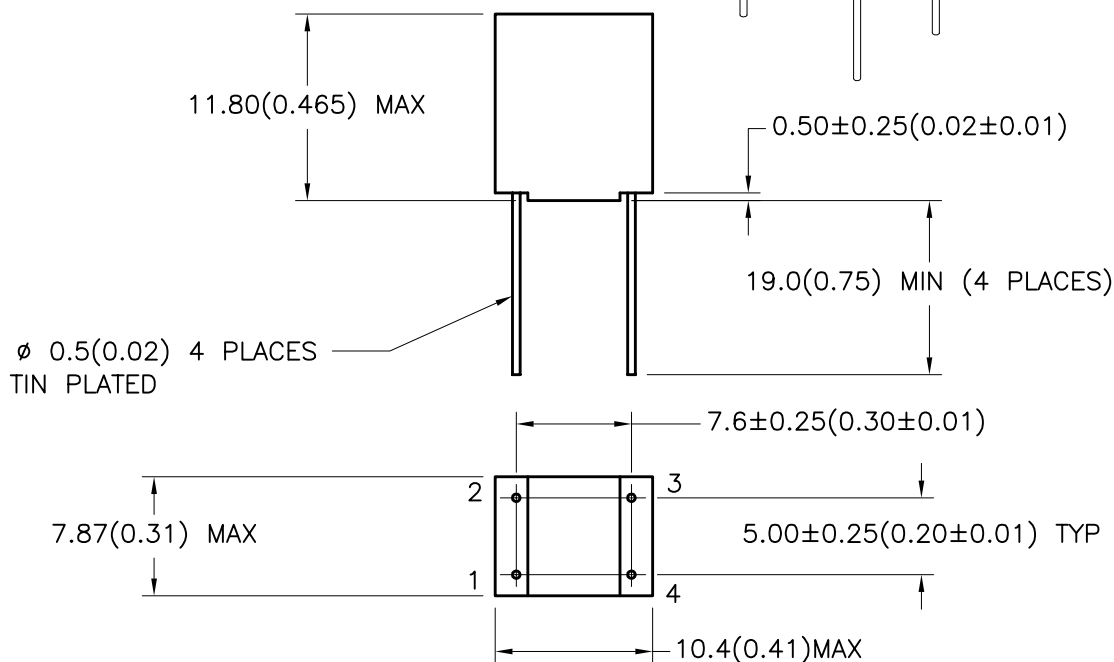
MET-52

B. Marking; MET-52, TAMURA, Primary and Secondary Impedance, pin numbers, PM15-M, MICROTRAN, TF5S21ZZ, 196-date code and country of origin

C. Schematic Diagram



D. Mechanical Specifications



TOLERANCES (mm)

≤ 4	± 0.2
4 ≤ 20	± 0.3
20 ≤ 50	± 0.4

PREPARED BY:

K. BRENNAN

ENGINEER:

M. PITCHAI

QUALITY CONTROL:

T. CLEM

APPROVED:

Y. SEKIGUCHI

DWG CONTROL NO.

P-A1-12967

ACAD\MET\A11129671.DWG

REV

A

AUDIO COUPLING
MINIATURE ENCAPSULATED TRANSFORMER

TAMURA CORPORATION OF AMERICA

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(951) 699-1270 FAX 9516769482

MET-52

MODEL SPECIFICATION

DIM: mm(In) SCL: 2/1 SH: 1 OF 1

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.