

REV. Status

REVISION -
12/12/95 TS

REVISION A
ADDED RoHS
12/01/05 MP

REVISION B
ADDED TEMP
RATING
4/28/15 MP

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

A. Electrical Specifications (@ 20 ° C)

1. Pri Source Impedance; 200K Ω CT
2. Sec Load Impedance; 1K Ω CT
3. Pri DC Current; 0 mA MAX
4. Operating Level; 10mW 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;
(1-3) 5300 Ω ±20%
(4-6) 120 Ω ±20%
8. Turns Ratio; (1-3) : (4-6) = 14.1 : 1 ±2%
9. Dielectric Strength;
500 Vrms 0.5 minute @ Pri - Sec

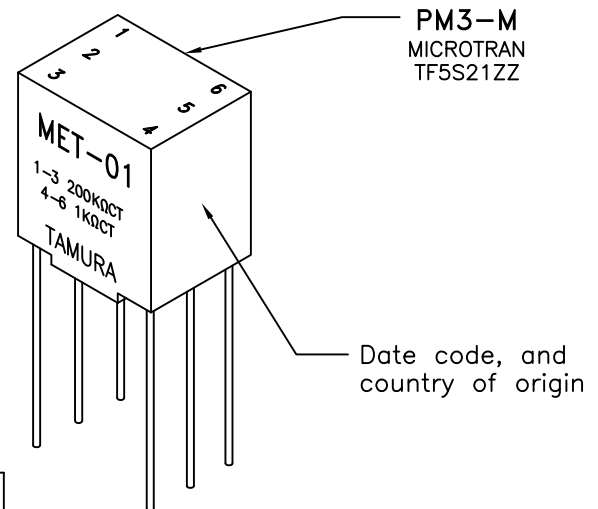
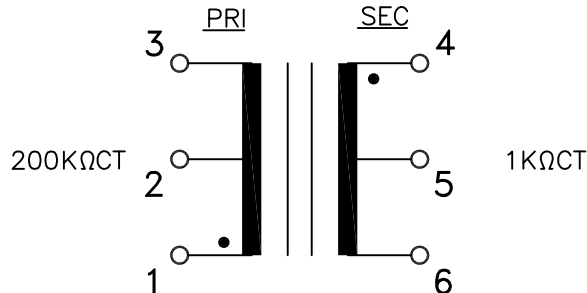


MODEL NUMBER
MET-01

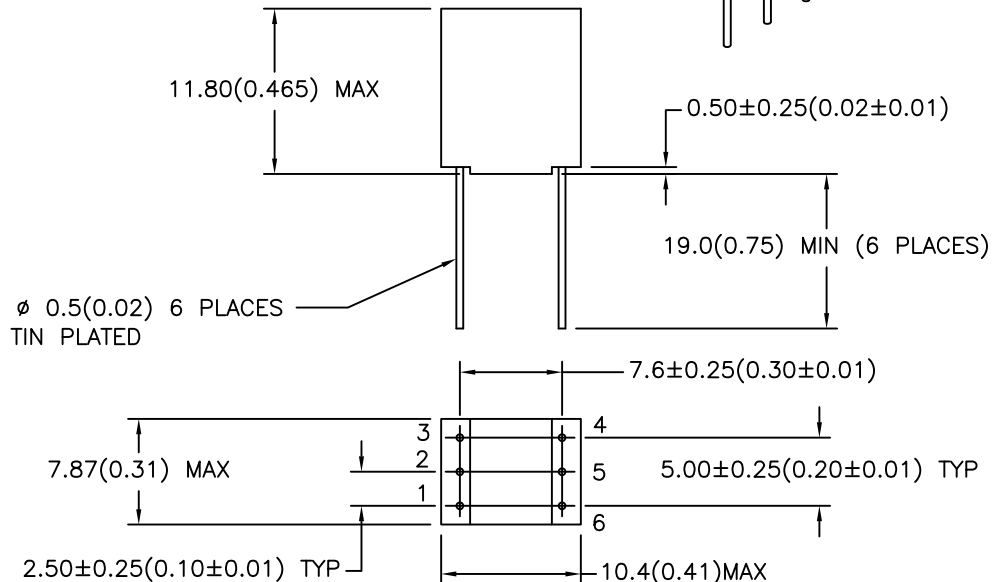
B. Marking; MET-01, TAMURA, Primary and Secondary Impedance, PM3-M, MICROTRAN, TF5S21ZZ, date code and country of origin

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-A1-11490

REV

B

MODEL DESCRIPTION
AUDIO COUPLING
MINIATURE ENCAPSULATED XFMR

TAMURA CORPORATION OF AMERICA

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MODEL SPECIFICATION

MET-01

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

APPROVED:

M. PITCHAI

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