

REV. Status

REVISION -
02/29/96 TSREVISION A
ADDED RoHS
12/01/05 MPREVISION B
NOTE 7 WAS $\pm 20\%$
04/19/06 MPREVISION C
ADDED TEMP
RATING
4/29/15 MP

AUDIO COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 30mW MAX IN SECONDARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 25K Ω CT WITH 1K Ω CT LOAD ON SECONDARY.

A. Electrical Specifications (@ 20 ° C)

1. Pri Source Impedance; 25K Ω CT
2. Sec Load Impedance; 1K Ω CT
3. Pri DC Current; 0.5 mA MAX
4. Operating Level; 30 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;
(1-3) 1600 Ω $\pm 20\%$
(4-6) 95 Ω -20%, +30%
8. Turns Ratio; (1-3) : (4-6) = 5.00 : 1 $\pm 2\%$
9. Dielectric Strength;
60Hz 500Vrms 0.5 minute @ Pri - Sec



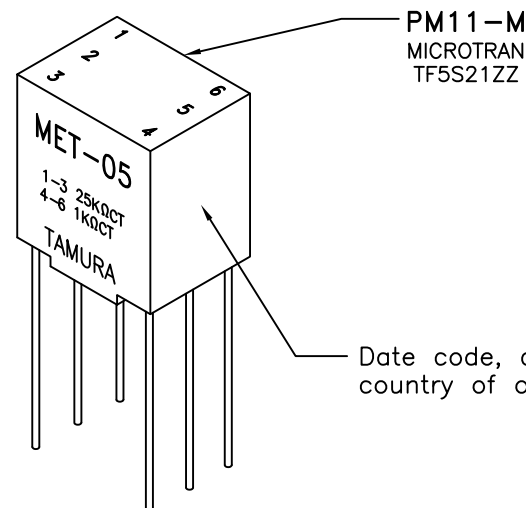
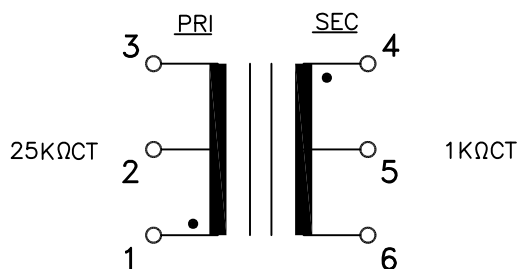
MODEL NUMBER

MET-05

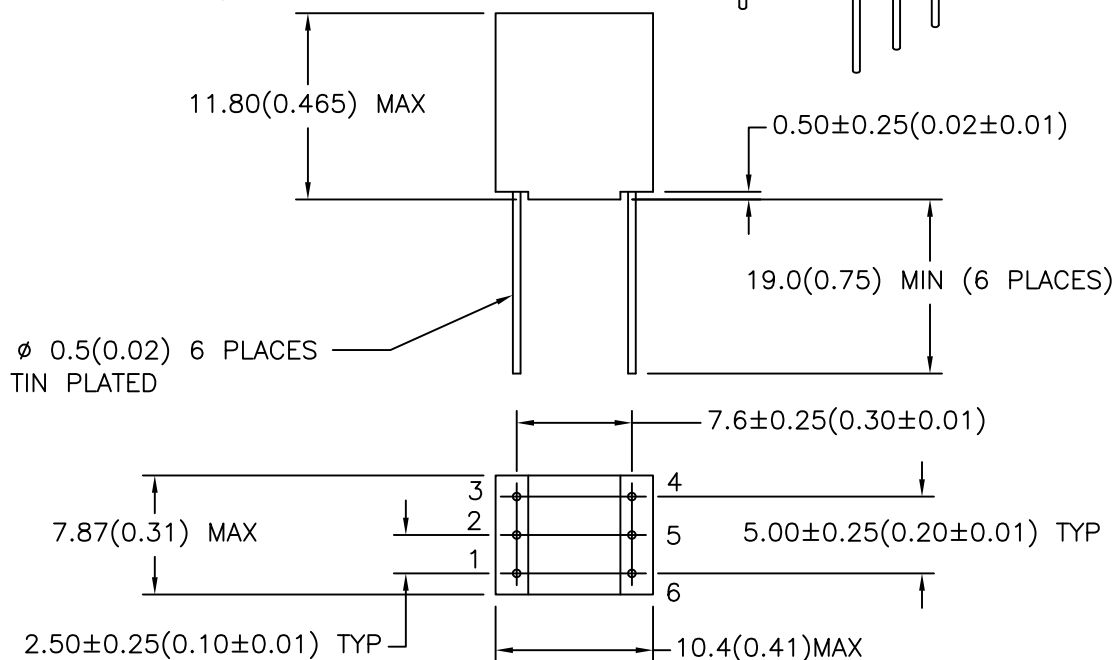
B. Marking; MET-05, TAMURA, Primary and Secondary Impedance,
PM11-M, MICROTRAN, TF5S21ZZ, date code and country of origin

- C. Operating Temperature: -20 to +85°C
Storage Temperature: -55 to +105°C

D. Schematic Diagram

Date code, and
country of origin

E. Mechanical Specifications



TOLERANCES (mm)

≤ 4	± 0.2
$4 \leq 20$	± 0.3
$20 \leq 50$	± 0.4

PREPARED BY:

C. POPPE

ENGINEER:

MATHI P.

SAFETY ENGINEER

DRAWING CONTROL NO.

P-A1-11577

REV

C

MODEL DESCRIPTION

AUDIO COUPLING
MINIATURE ENCAPSULATED XFMR

MODEL SPECIFICATION

MET-05

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APPROVED:

M. PITCHAI

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