

REV. Status

REVISION -
04/06/98 TSREVISION A
ADDED RoHS
12/05/05 MPREVISION B
ADDED TEMP
RATING
5/6/15 MP

AUDIO COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN SECONDARY AND REFLECT A PRIMARY IMPEDANCE OF APPROXIMATELY 120Ω CT WITH 3.2Ω LOAD ON SECONDARY.

A. Electrical Specifications (@ 20°C)

1. Pri Source Impedance; 120Ω CT
2. Sec Load Impedance; 3.2Ω
3. Pri DC Current; 10mA MAX
4. Operating Level; 50mW MAX @ 300Hz
5. Frequency Response (relative to 1KHz);
±2.0dB @ 300Hz to 100KHz
6. Longitudinal Balance; 60dB MIN @ 1KHz
7. DC Resistance;
(1-3) 13Ω ±20%
(4-5) 0.7Ω ±20%
8. Turns Ratio; (1-3) : (4-5) = 6.12 : 1.00 ±2%
9. Dielectric Strength;
500Vrms (10mA peak MAX) 1 minute @ Pri - Sec



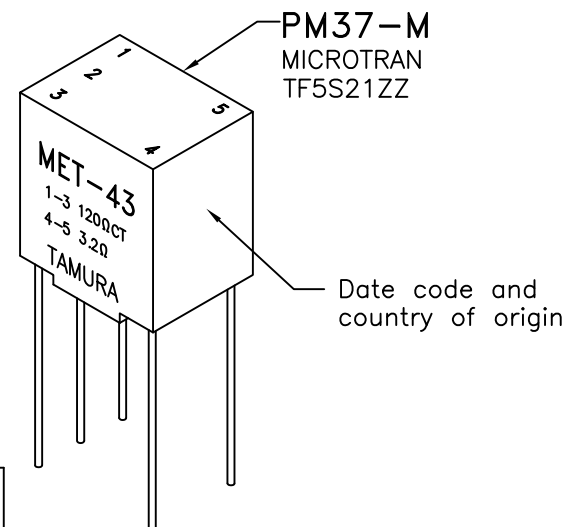
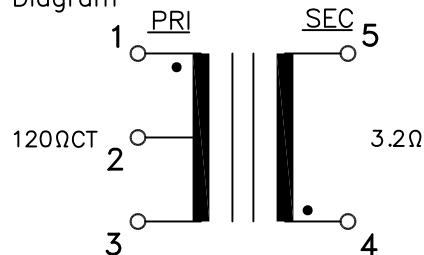
MODEL NUMBER

MET-43

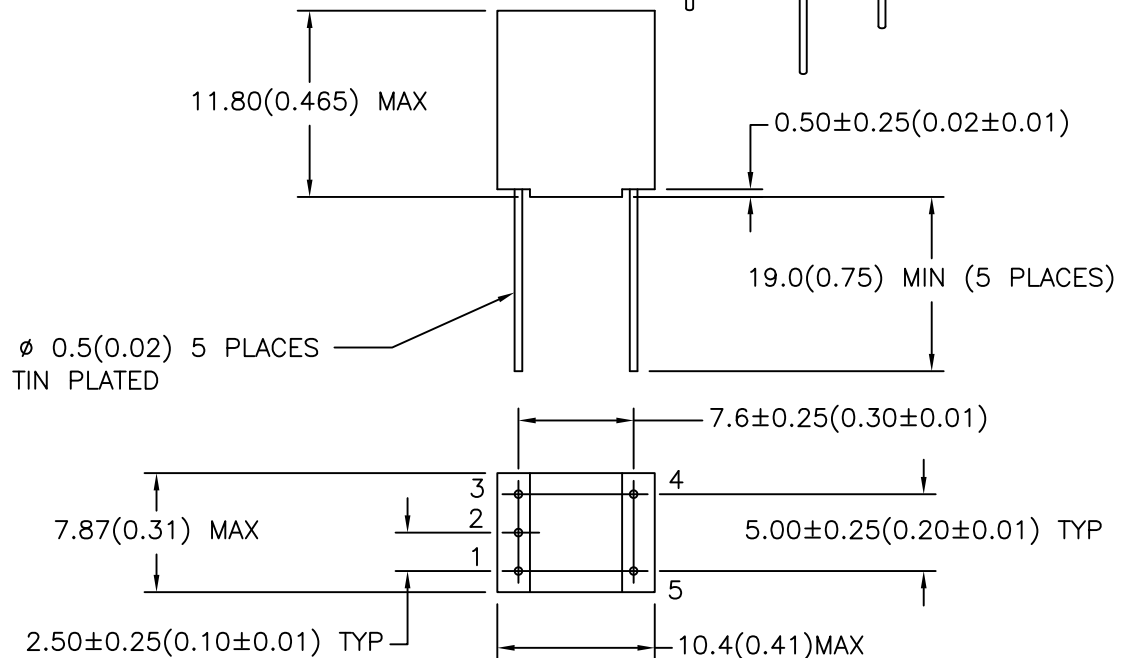
B. Marking; MET-43, TAMURA, Primary and Secondary Impedance, PM37-M, MICROTRAN, TF5S21ZZ, date code and country of origin

- 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-A1-12015

REV

B

MODEL DESCRIPTION

AUDIO COUPLING
MINIATURE ENCAPSULATED XFMR

MODEL SPECIFICATION

MET-43

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APPROVED:

M. PITCHAI

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