

REV. Status

REVISION -
02/28/92 TSREVISION B
SCHEM REV
06/03/92 TSREVISION C
NEW FORMAT
TEMECULA
WAS CARSON
ADDED PM33-M
07/08/96 TSREVISION D
ADDED RoHS
12/02/05 MPREVISION E
NOTE 10 WAS $\pm 20\%$
04/19/06 MPREVISION F
NOTE 6 WAS $\pm 1.0\text{dB}$
@ 300Hz TO 3.5KHz
05/05/06 MPREVISION G
ADDED TEMP
RATING
5/4/15 MP

A. Electrical Specifications (@ 20 ° C)

1. Pri Source Impedance; 1.5K Ω
2. Sec Load Impedance; 600 Ω
3. Pri DC Current; 3 mA MAX
4. Operating Level; 50 mW MAX @ 300 Hz
5. Insertion Loss;
2.0 dB MAX @ 1 KHz, 0 dBm
6. Frequency Response (relative to 1 KHz);
 ± 2.0 dB, @ 300 Hz to 100 KHz, 0 dBm
7. Pri Impedance; 1.5K Ω $\pm 20\%$, -10% @ 1 KHz, 0 dBm, DC3mA
8. Longitudinal Balance; 60 dB MIN @ 1 KHz
9. Total Harmonic Distortion; 10% MAX @ 300 Hz, 50mW
10. DC Resistance;
(1-2) 160 Ω $\pm 20\%$
(3-4) 95 Ω -20% , $+30\%$
12. Turns Ratio; (1-2) : (3-4) = 1.58 : 1.00 $\pm 2\%$
13. Dielectric Strength;
500 Vrms (10 mA peak MAX) 1 minute @ Pri - Sec



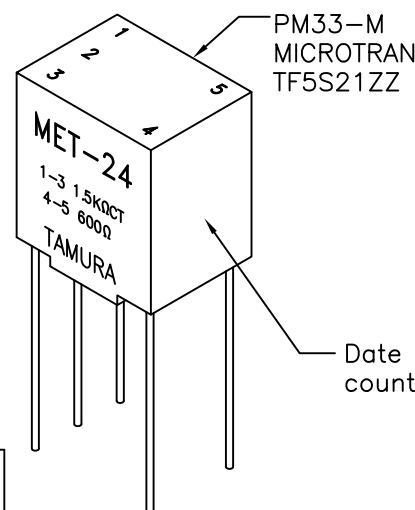
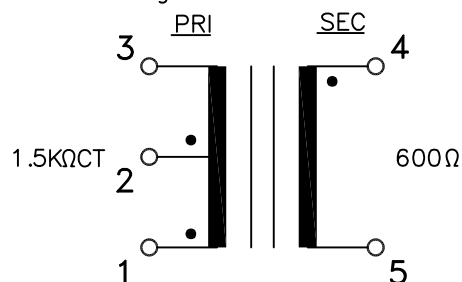
MODEL NUMBER

MET-24

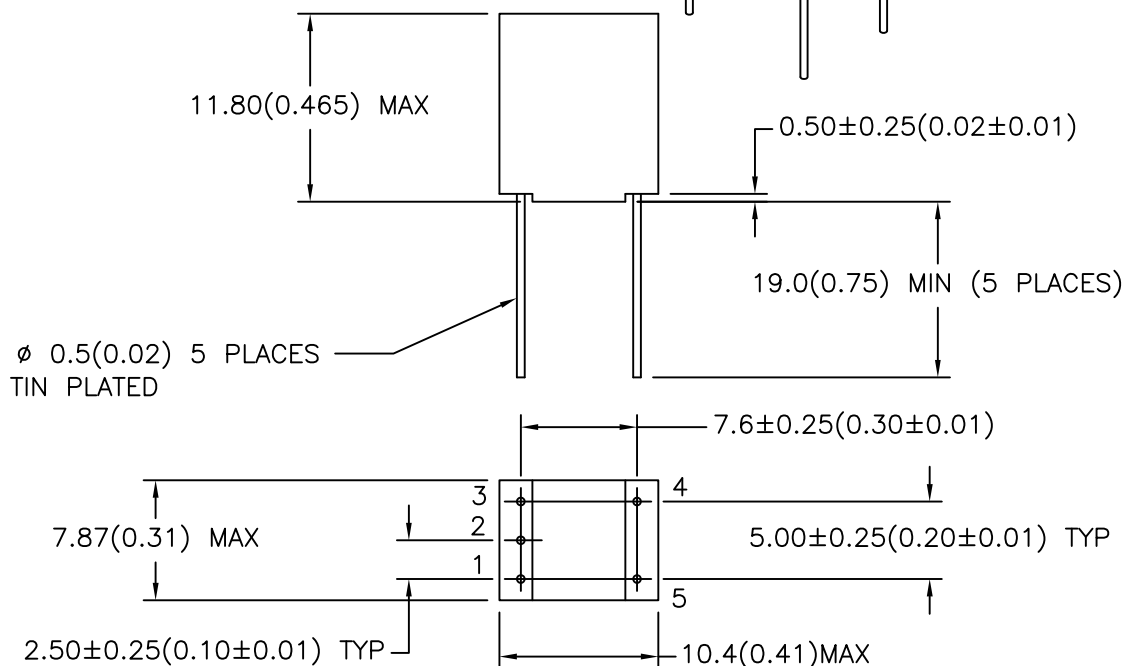
B. Marking; MET-24, TAMURA, Primary and Secondary Impedance, pin numbers, PM33-M, MICROTRAN, TF5S21ZZ, 196-date code and country of origin

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

D. Schematic Diagram



E. Mechanical Specifications



TOLERANCES (mm)

 $\leq 4 \pm 0.2$
 $4 \leq 20 \pm 0.3$
 $20 \leq 50 \pm 0.4$

PREPARED BY:

C. POPPE

ENGINEER:

MATHI P.

SAFETY ENGINEER

DRAWING CONTROL NO.

P-A1-10344

REV

G

MODEL DESCRIPTION

AUDIO COUPLING
MINIATURE ENCAPSULATED XFMR

MODEL SPECIFICATION

MET-24

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DIM: mm[In]

SCL: 2/1

SH: 1 OF 1

APPROVED:

M. PITCHAI

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