

REV. Status

REVISION B REVISED AND REDRAWN ON CAD/CAM 05/23/95 TS
REVISION C ADDED PM34-M & MICROTRAN 01/24/96 TS
REVISION D ADDED RoHS 12/05/05 MP
REVISION E ADD OPERATING AND STORAGE TEMP. 02/28/11 MP
REVISION F REVISED TEMP RATING 5/5/15 MP

TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN SECONDARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600ΩCT WITH 600ΩCT LOAD ON SECONDARY.

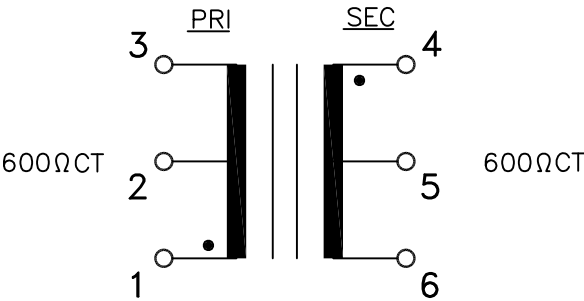
A. Electrical Specifications (@ 20 ° C)

- Pri Source Impedance; 600Ω CT
- Sec Load Impedance; 600Ω CT
- Pri DC Current; 3 mA MAX
- Operating Level; 50 mW MAX @ 300 Hz
- Frequency Response (relative to 1 KHz); ±2.0 dB, @ 300 Hz to 100 KHz
- Longitudinal Balance; 60 dB MIN @ 1 KHz
- DC Resistance;
 - (1-3) 70Ω ±20%
 - (4-6) 95Ω ±20%
- Turns Ratio; (1-3) : (4-6) = 1 : 1.00 ±2%
- Dielectric Strength; 60Hz 1KVrms 0.5 minute @ Pri - Sec

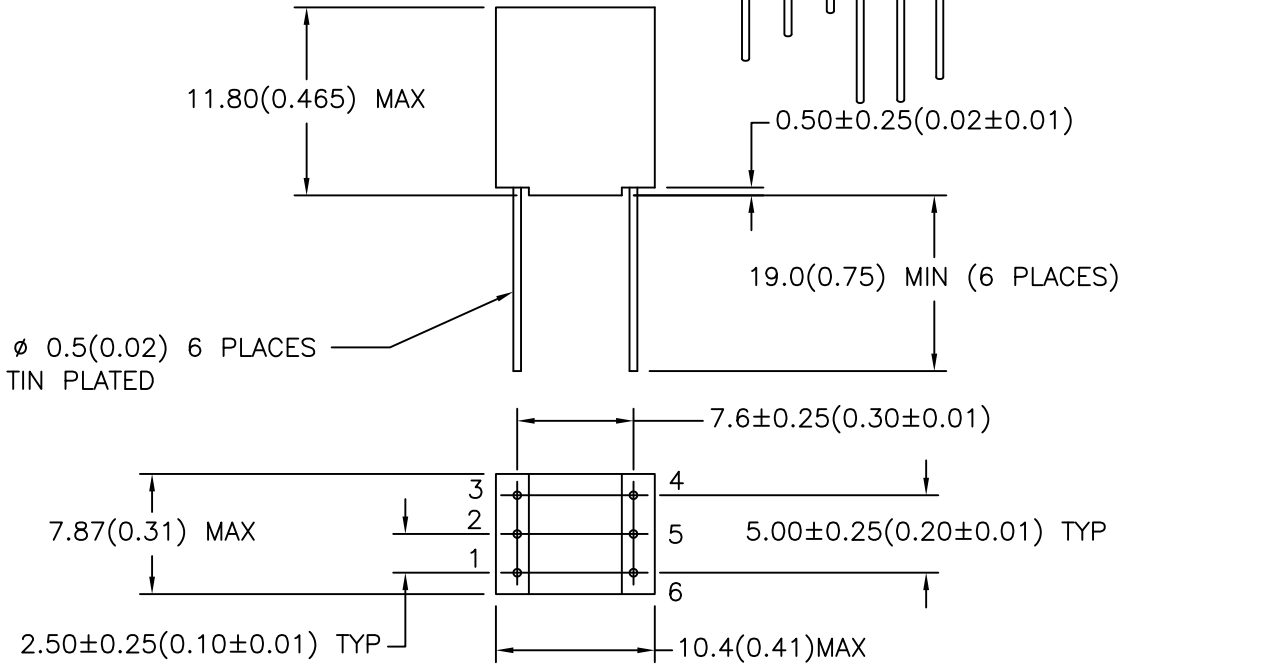
B. Marking; MET-31, TAMURA, Primary and Secondary Impedance, PM34-M, MICROTRAN, TF5S21ZZ, date code and country of origin

- 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-A1-10268
REV
F

MODEL DESCRIPTION
AUDIO COUPLING
MINIATURE ENCAPSULATED XFMR
TAMURA CORPORATION OF AMERICA
1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029
(951) 699-1270 FAX 7607400536

MODEL SPECIFICATION
MET-31
DIM: mm[In] SCL: 2/1 SH: 1 OF 1

APPROVED:
M. PITCHAI

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MODEL NUMBER

MET-31