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.

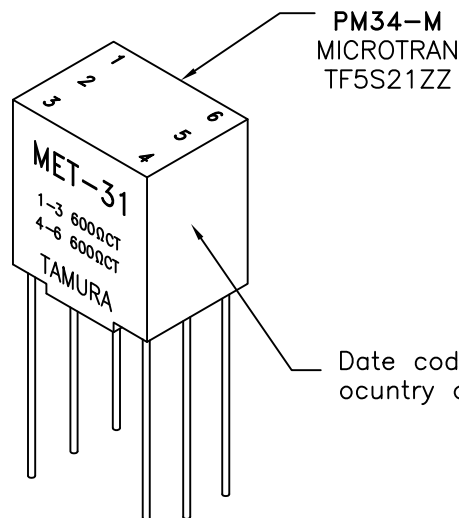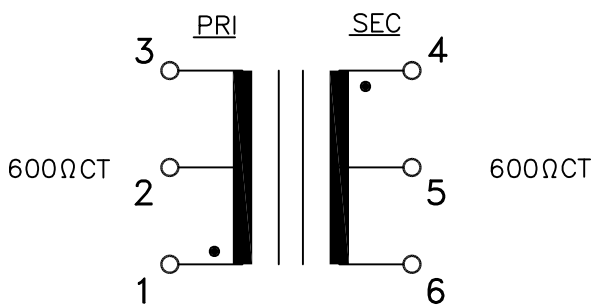A. Electrical Specifications (@ 20°C)
1. Pri Source Impedance; 600Ω CT
2. Sec Load Impedance; 600Ω CT
3. Pri DC Current; 3 mA MAX
4. Operating Level; 50 mW MAX @ 300 Hz
5. Frequency Response (relative to 1 KHz);
   ±2.0 dB, @ 300 Hz to 100 KHz
6. Longitudinal Balance; 60 dB MIN @ 1 KHz
7. DC Resistance;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

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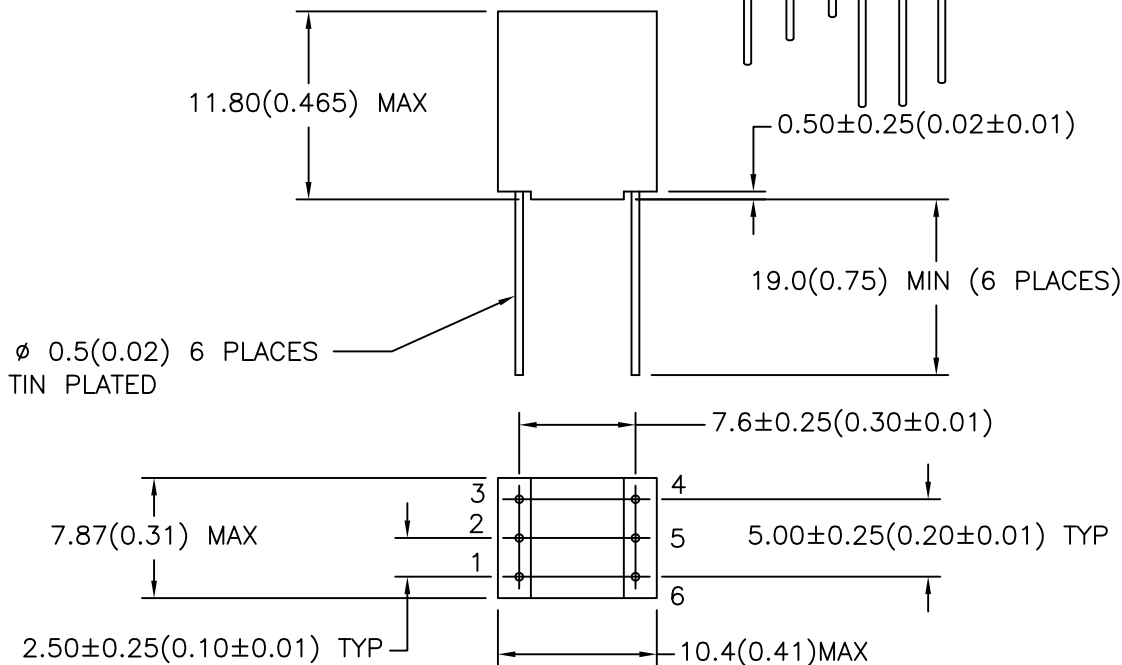   PM34-M, MICROTRAN, TF5S21ZZ, date code and country of origin

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

RoHS COMPLIANT

D. Schematic Diagram

E. Mechanical Specifications

11.80(0.465) MAX

0.50±0.25(0.02±0.01)

19.0(0.75) MIN (6 PLACES)

⌀ 0.5(0.02) 6 PLACES
TIN PLATED

7.6±0.25(0.30±0.01)

7.87(0.31) MAX

5.00±0.25(0.20±0.01) TYP

2.50±0.25(0.10±0.01) TYP

10.4(0.41)MAX

PM34-M
MICROTRAN
TF5S21ZZ

Date code and ocuntry of rigin

TOLERANCES (mm)
≤ 4 ± 0.2
4 ≤ 20 ± 0.3
20 ≤ 50 ± 0.4

PREPARED BY:
C. POPPE

ENGINEER:
MATHI P.

SAFETY ENGINEER

APPROVED:
M. PITCHAI

DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P-A1-10268	F	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-31

TAMURA CORPORATION OF AMERICA
1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029
(951) 699-1270   FAX 7607400536

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

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE