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| REV. Status |
| REVISION - 12/24/94 TS |
| REVISION A DCR (4-6) 1300Ω WAS 13000Ω 9/5/95 TS |
| REVISION B ADDED PM17-M MICROTRAN 10/03/95 TS |
| REVISION C ADDED RoHS 12/02/05 MP |
| REVISION D ADDED TEMP RATING 4/29/15 MP |

TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 40mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 10KΩCT WITH 10KΩCT LOAD ON SECONDARY.

MODEL NUMBER
MET-09

A. Electrical Specifications (@ 20 ° C)

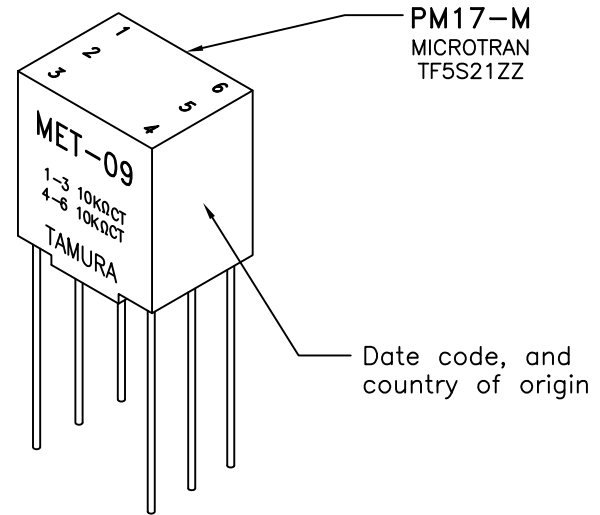
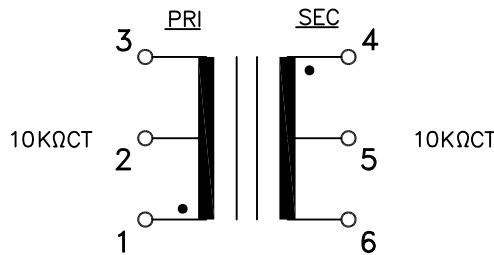
1. Pri Source Impedance; 10KΩ CT
2. Sec Load Impedance; 10KΩ CT
3. Pri DC Current; 1 mA MAX
4. Operating Level; 40 mW MAX @ 300 Hz
5. Frequency Response (relative to 1 KHz); ±2.0 dB, @ 300 Hz to 100 KHz
6. Longitudinal Balance; 60 dB MIN @ 1 KHz
7. DC Resistance; (1-3) 1000Ω ±20% (4-6) 1300Ω ±20%
8. Turns Ratio; (1-3) : (4-6) = 1 : 1.00 ±2%
9. Dielectric Strength; 500 Vrms 0.5 minute @ Pri - Sec



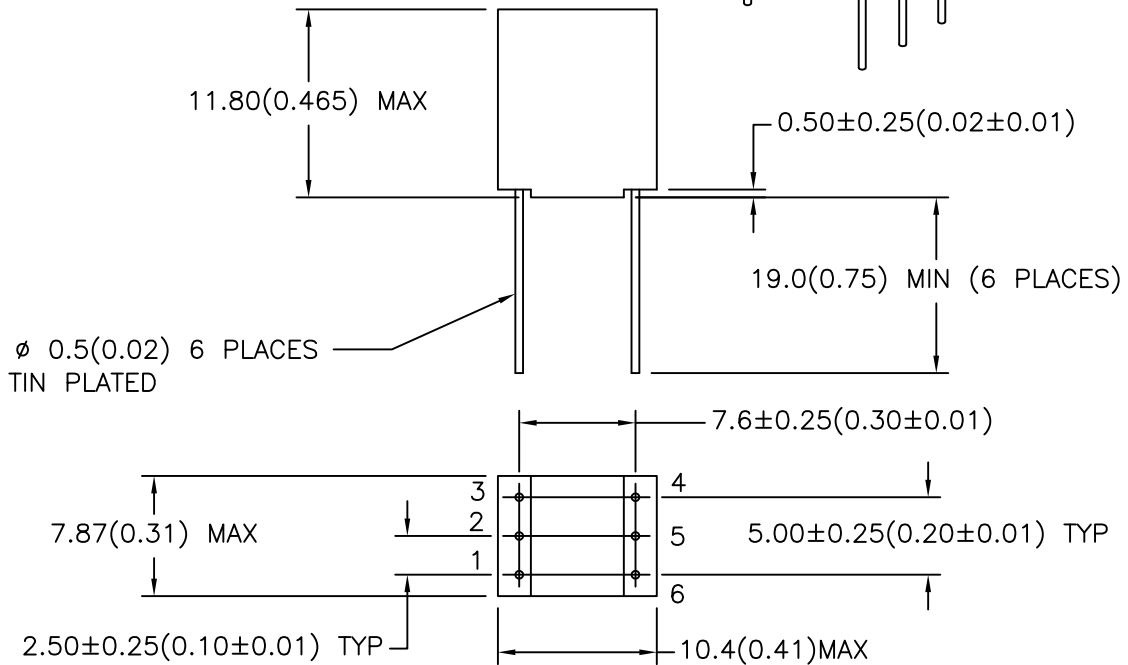
B. Marking; MET-09, TAMURA, Primary and Secondary Impedance, PM17-M, MICROTRAN, TF5S21ZZ, date code and country of origin

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

D. Schematic Diagram



E. Mechanical Specifications



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

PREPARED BY:

C. POPPE

ENGINEER:

MATHI P.

SAFETY ENGINEER

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|---|----------|--|--------------------------------------|
| DRAWING CONTROL NO. P-A1-11225 | REV D | MODEL DESCRIPTION AUDIO COUPLING MINIATURE ENCAPSULATED XFMR | MODEL SPECIFICATION MET-09 |
| CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE | | 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 |

APPROVED:

M. PITCHAI

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