

REV. Status

| |
|---|
| REVISION - 04/06/98 TS |
| REVISION A ADDED RoHS 12/05/05 MP |
| REVISION B ADDED TEMP RATING 5/5/15 MP |

AUDIO COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 1KΩ WITH 50Ω LOAD ON SECONDARY.

MODEL NUMBER
MET-28



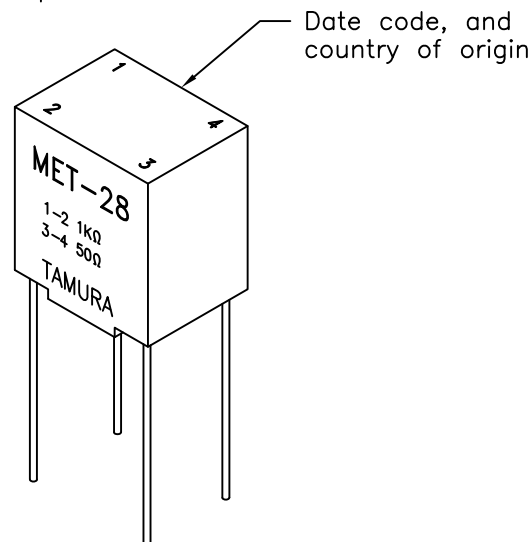
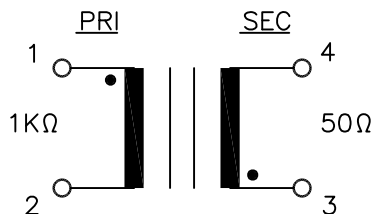
A. Electrical Specifications (@ 20° C)

1. Pri Source Impedance; 1KΩ
2. Sec Load Impedance; 50Ω
3. Pri DC Current; 3mA 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;
 - (1-2) 110Ω ±20%
 - (3-4) 8.0Ω ±20%
8. Turns Ratio; (1-2) : (3-4) = 4.47 : 1 ±2%
9. Dielectric Strength; 500 Vrms 0.5 minute @ Pri - Sec

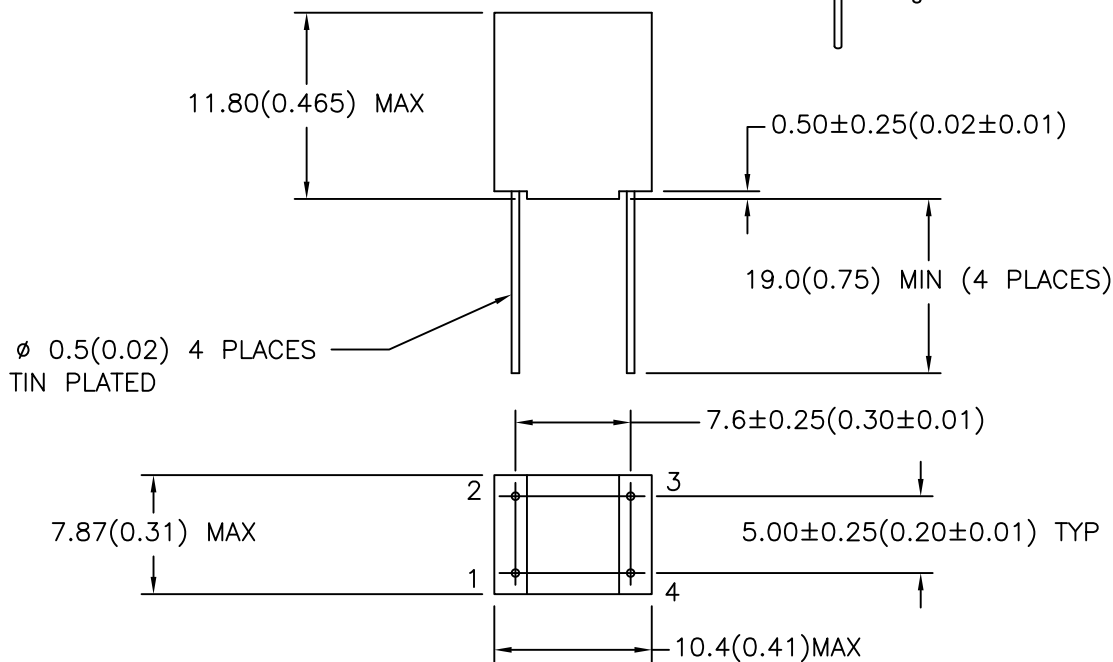
B. Marking; MET-28, TAMURA, Primary and Secondary Impedance, date code and country of origin

- 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: | DRAWING CONTROL NO. | REV | MODEL DESCRIPTION | MODEL SPECIFICATION |
| MATHI P. | P-A1-12010 | B | AUDIO COUPLING MINIATURE ENCAPSULATED XFMR | MET-28 |
| SAFETY ENGINEER | CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE | | | DIM: mm[In] SCL: 2/1 SH: 1 OF 1 |

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APPROVED:

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