

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 1K Ω WITH 50 Ω LOAD ON SECONDARY.

A. Electrical Specifications (@ 20° C)

1. Pri Source Impedance; 1K Ω
2. Sec Load Impedance; 50 Ω
3. Pri DC Current; 3mA MAX
4. Operating Level; 50mW MAX @ 300Hz
5. Frequency Response (relative to 1KHz); ± 2.0 dB, @ 300Hz to 100KHz
6. Longitudinal Balance; 60dB MIN @ 1KHz
7. DC Resistance;
(1-2) 110 Ω $\pm 20\%$
(3-4) 8.0 Ω $\pm 20\%$
8. Turns Ratio; (1-2) : (3-4) = 4.47 : 1 $\pm 2\%$
9. Dielectric Strength;
500 Vrms 0.5 minute @ Pri - Sec

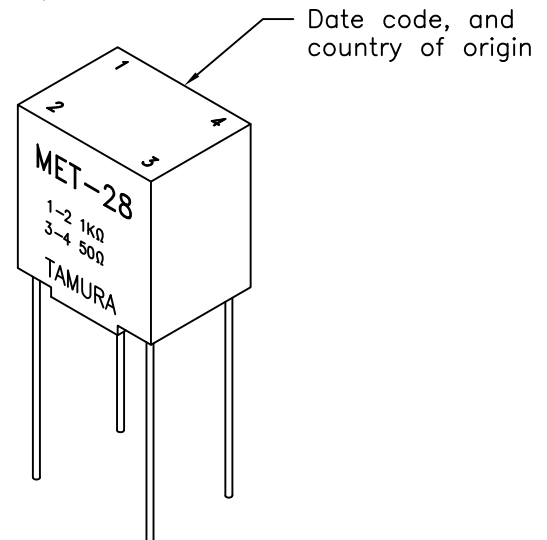
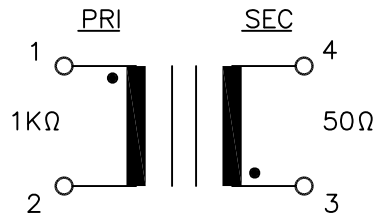


MODEL NUMBER
MET-28

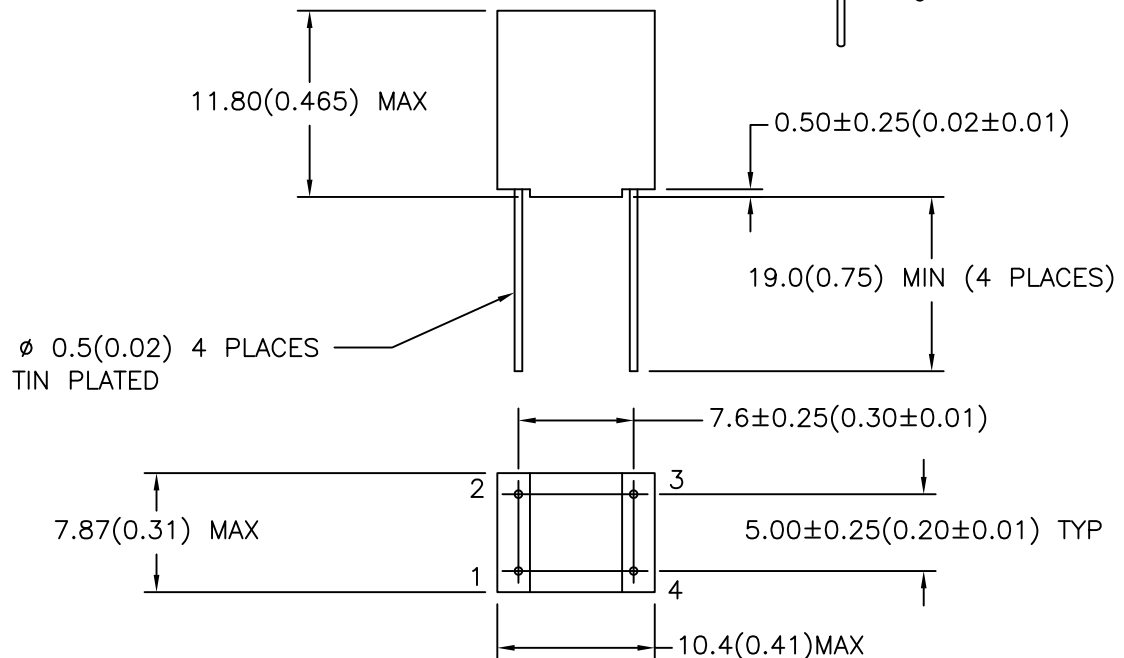
B. Marking; MET-28, TAMURA, Primary and Secondary Impedance, date code and country of origin

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

D. Schematic Diagram



E. Mechanical Specifications



TOLERANCES (mm)
$\leq 4 \pm 0.2$
$4 \leq 20 \pm 0.3$
$20 \leq 50 \pm 0.4$

PREPARED BY:

C. POPPE

ENGINEER:
MATHI P.
SAFETY ENGINEER

DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P-A1-12010	B	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-28
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APPROVED:

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