

# 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.

## 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



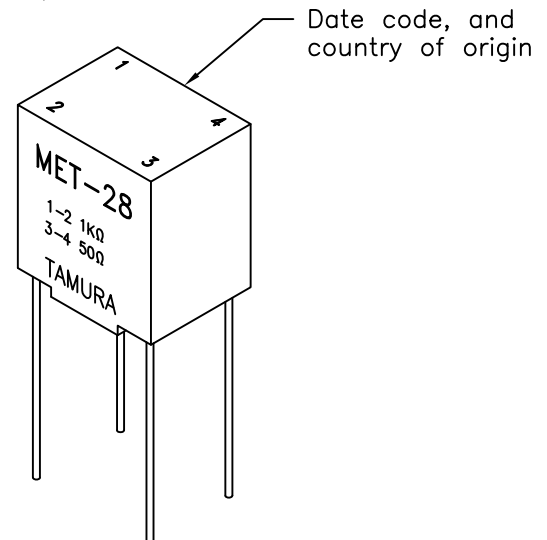
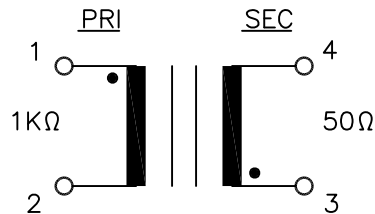
MODEL NUMBER

MET-28

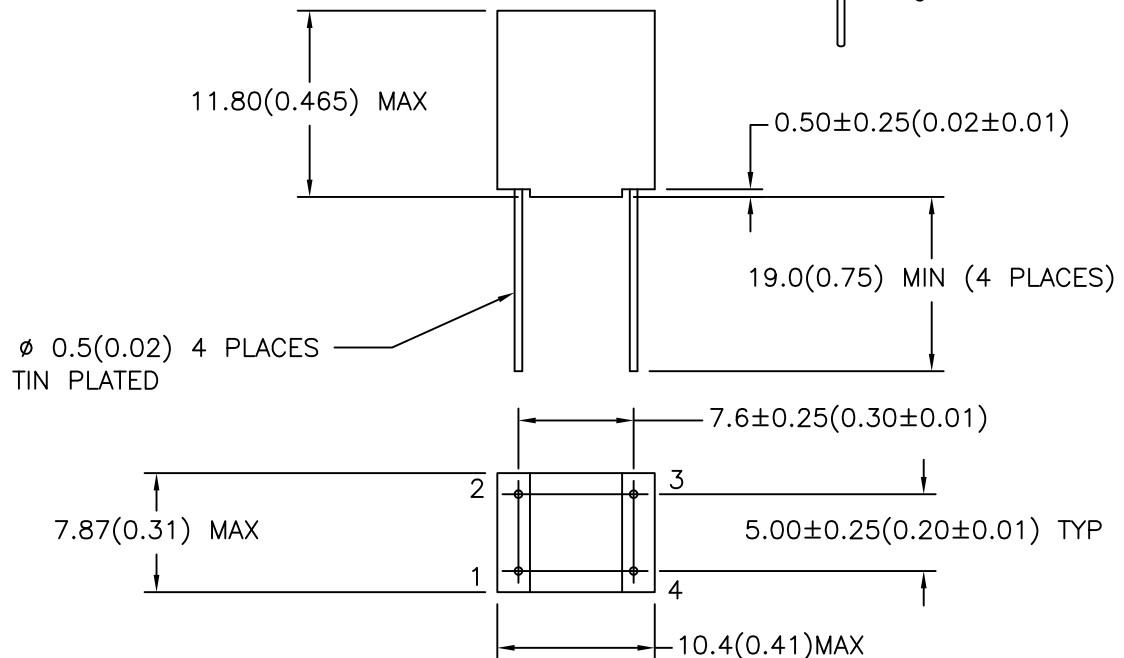
## B. Marking; MET-28, TAMURA, Primary and Secondary Impedance, date code and country of origin

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

## D. Schematic Diagram



## E. Mechanical Specifications



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