

REV. Status
REVISION – 06/12/95 TS
REVISION A ADDED RoHS 12/02/05 MP
REVISION B ADDED TEMP RATING 5/4/15 MP

AUDIO COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN SECONDARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 1.2K Ω WITH 3.2 Ω LOAD ON SECONDARY.

A. Electrical Specifications (@ 20 ° C)

1. Pri Source Impedance 1.2K Ω CT
2. Sec Load Impedance; 3.2 Ω
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) 125 Ω $\pm 20\%$
(4-5) 0.7 Ω $\pm 20\%$
8. Turns Ratio; (1-3) : (4-5) = 19.4 : 1 $\pm 2\%$
9. Dielectric Strength;
500 Vrms 0.5 minute @ Pri – Sec



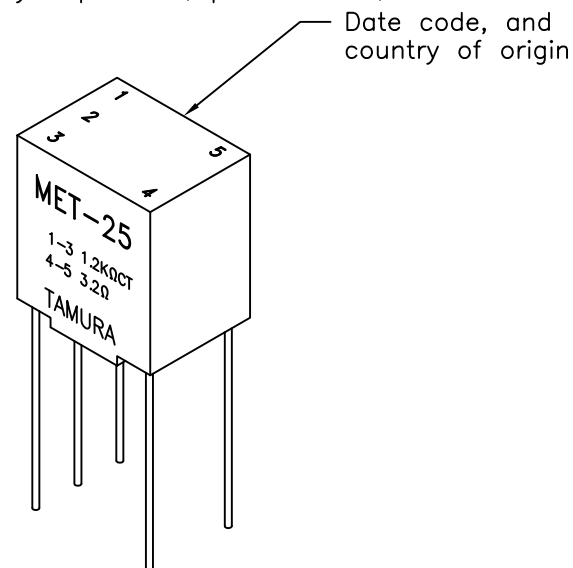
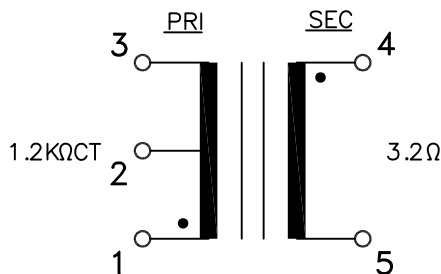
MODEL NUMBER

MET-25

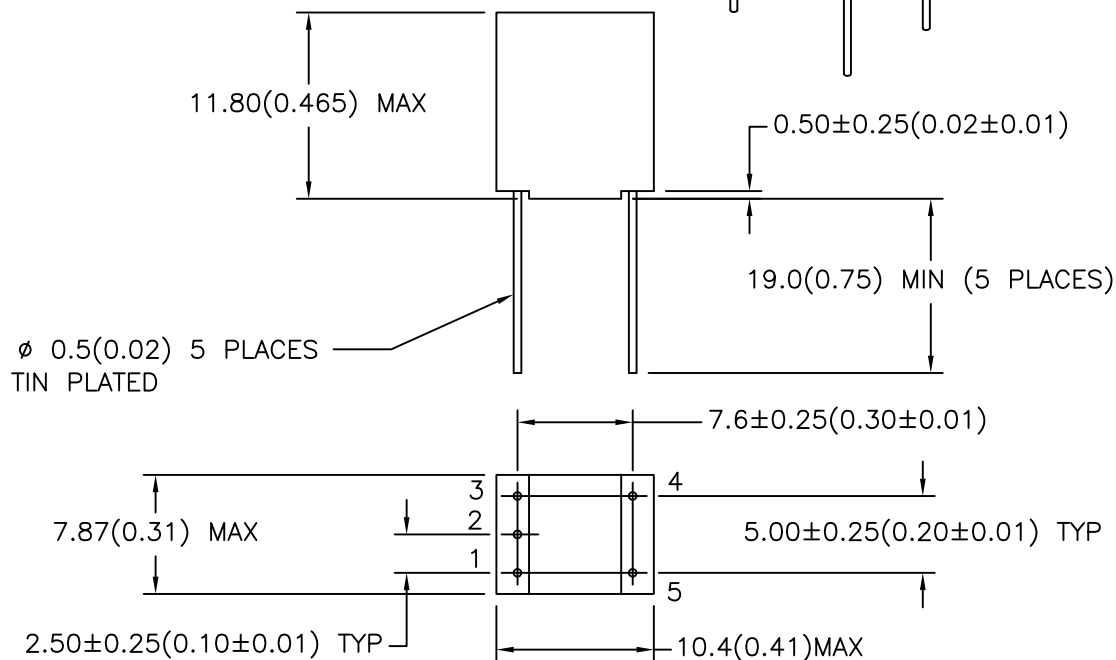
B. Marking; MET-25, TAMURA, Primary and Secondary Impedance, pin numbers, date code and country of origin

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:	DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
MATHI P.	P-A1-11319	B	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-25
SAFETY ENGINEER	TAMURA CORPORATION OF AMERICA			DIM: mm[In] SCL: 2/1 SH: 1 OF 1
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M. PITCHAI				