

REV. Status
REVISION – 04/29/96 TS
REVISION A ADDED RoHS 12/05/05 MP
REVISION B ADDED TEMP RATING 5/6/15 MP

AUDIO COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 40mW MAX IN SECONDARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 300Ω CT WITH 12Ω LOAD ON SECONDARY.

A. Electrical Specifications (@ 20 ° C)

- Pri Source Impedance; 300ΩCT
- Sec Load Impedance; 12Ω
- Pri DC Current; 7 mA MAX
- Operating Level; 40 mW MAX @ 300 Hz
- Frequency Response (relative to 1 KHz); ±2.0 dB, @ 300 Hz to 100 KHz
- Longitudinal Balance; 60 dB MIN @ 1 KHz
- DC Resistance;
 - (1-3) 42Ω ±20%
 - (4-5) 3.4Ω ±20%
- Turns Ratio; (1-3) : (4-5) = 5.07 : 1 ±2%
- Dielectric Strength; 60Hz 500Vrms 0.5 minute @ Pri – Sec



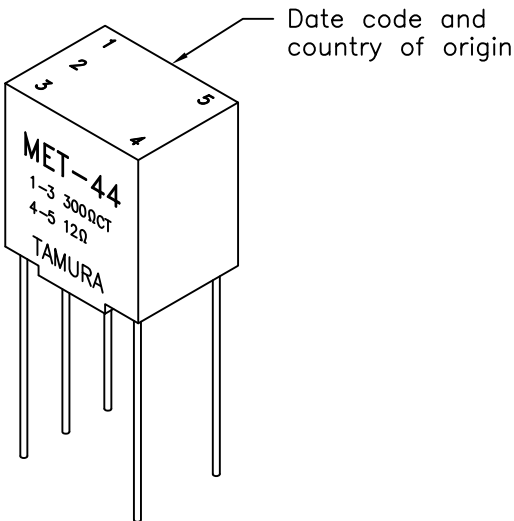
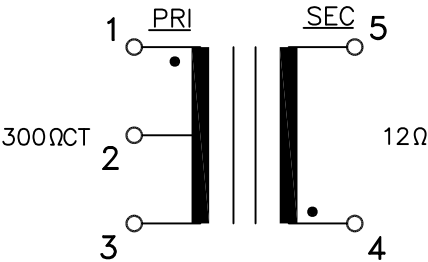
MODEL NUMBER

MET-44

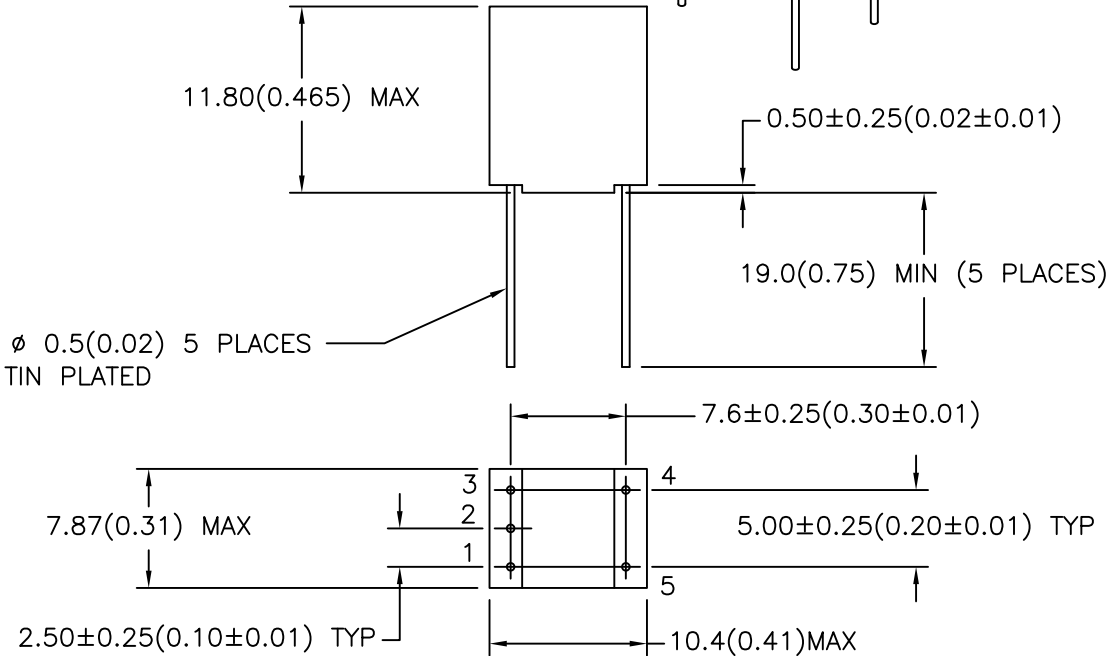
B. Marking; MET-44, TAMURA, Primary and Secondary Impedance, pin numbers, date code and country of origin

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

D. Schematic Diagram



E. Mechanical Specifications



TOLERANCES (mm)
≤ 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-A1-11626	B	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-44
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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M. PITCHAI				