

REV. Status

REVISION -  
03/04/97 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 AT 75mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 10KΩ WITH 10KΩ, 2.5KΩ SPLIT LOAD ON SECONDARY.

MODEL NUMBER  
**MET-45**

A. Electrical Specifications (@ 20 ° C)

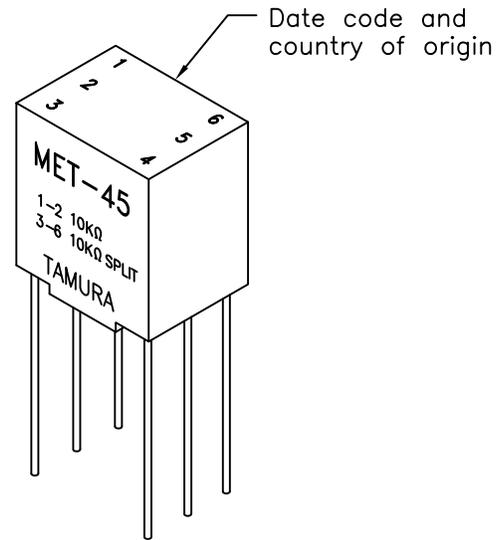
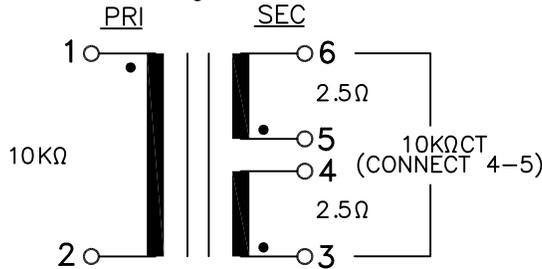
1. Pri Source Impedance; 10KΩ
2. Sec Load Impedance; 10KΩ, 2.5KΩ SPLIT
3. Pri DC Current; 1mA MAX
4. Operating Level; 75mW MAX @ 300Hz
5. Frequency Response (relative to 1KHz); ±3.0dB, @ 300Hz to 20KHz
6. Longitudinal Balance; 60dB MIN @ 1KHz
7. DC Resistance;
  - (1-2) 1.3KΩ MAX
  - (3-4) 735Ω ~ 390Ω
  - (5-6) 850Ω ~ 455Ω
8. Turns Ratio; (1-2) : (3-4) : (5-6) = 1.00 : 0.50 : 0.50 ±2%
9. Dielectric Strength; 500 Vrms 0.5 minute @ Pri to Sec



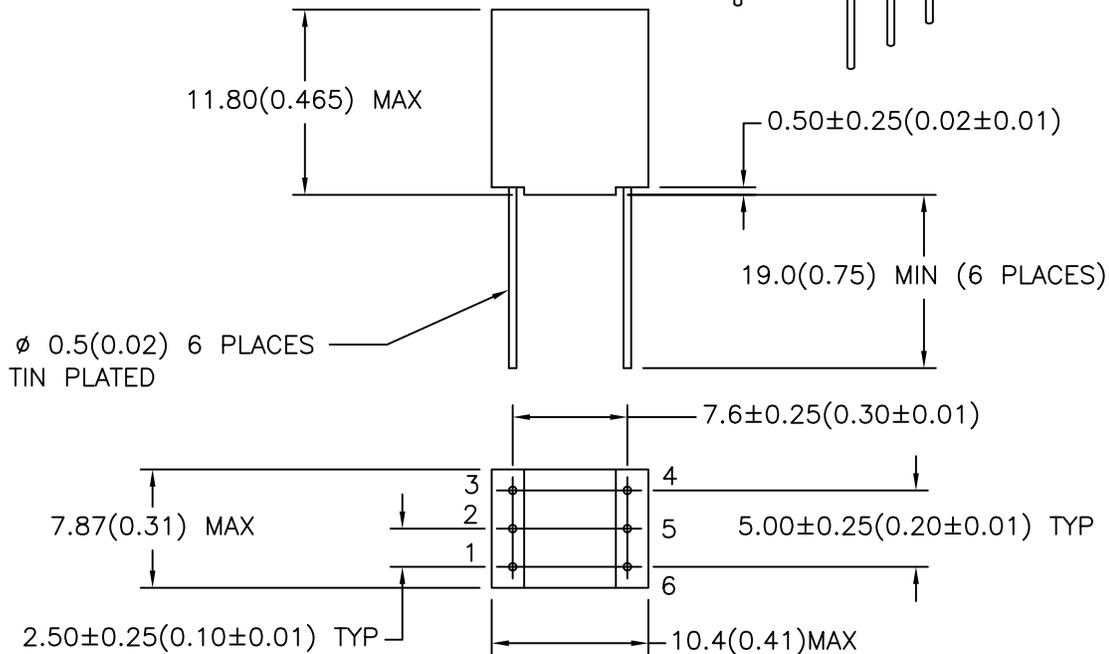
B. Marking; MET-45, TAMURA, Primary and Secondary Impedance, pin numbers, date code and country of origin

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-A1-11840	B	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-45
SAFETY ENGINEER	CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE <b>TAMURA CORPORATION OF AMERICA</b> 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536			DIM: mm[In] SCL: 2/1 SH: 1 OF 1
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