

REV. Status
REVISION – 09/01/95 TS
REVISION A ADDED RoHS 12/01/05 MP
REVISION B ADDED TEMP RATING 4/29/15 MP

TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 40mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 10KΩCT WITH 4KΩCT LOAD ON SECONDARY.

A. Electrical Specifications (@ 20 ° C)

1. Pri Source Impedance; 10KΩ CT
2. Sec Load Impedance; 4KΩ CT
3. Pri DC Current; 1 mA MAX
4. Operating Level; 40 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) 1000Ω ±20%
(4-6) 500Ω ±20%
8. Turns Ratio; (1-3) : (4-6) = 1.58 : 1 ±2%
9. Dielectric Strength;
500 Vrms 0.5 minute @ Pri – Sec



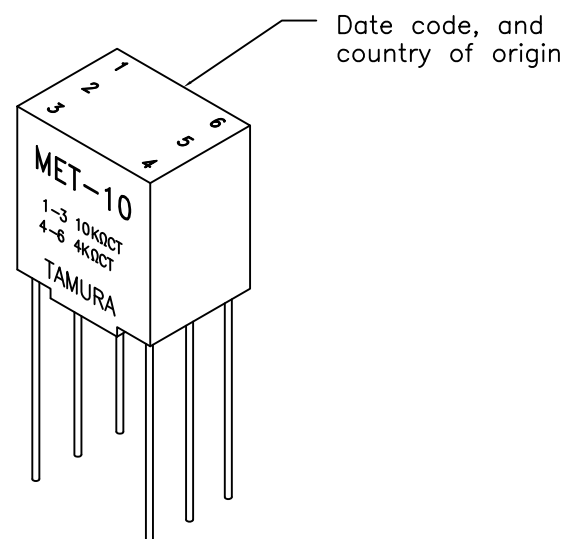
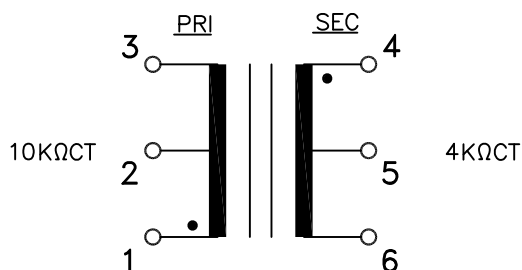
MODEL NUMBER

MET-10

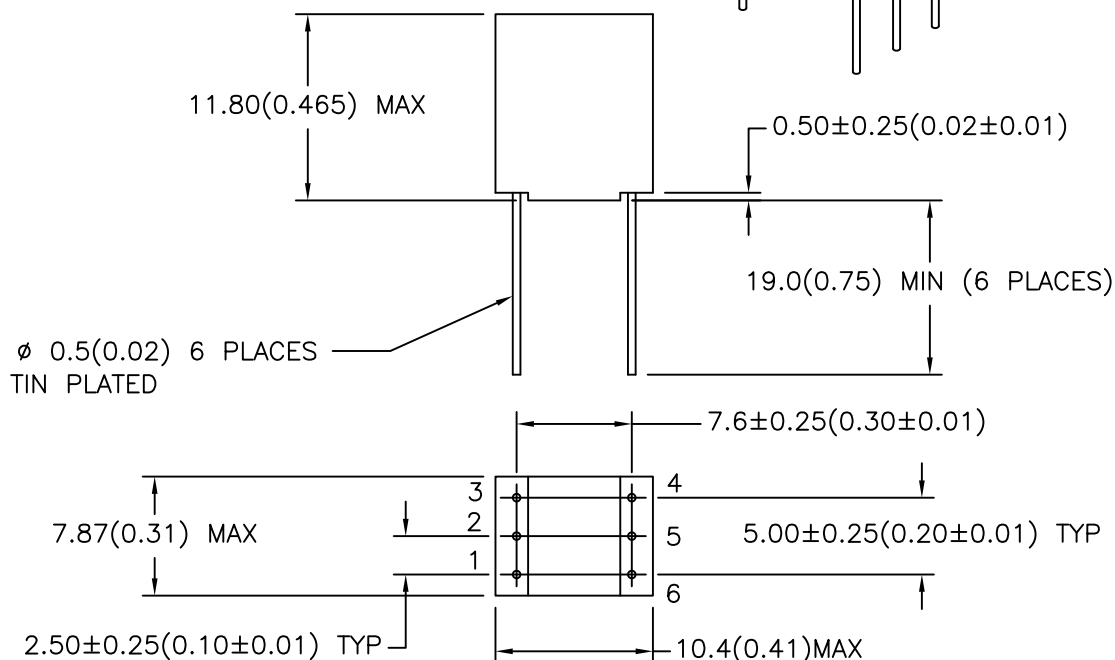
B. Marking; MET-10, TAMURA, Primary and Secondary Impedance, pin numbers, date code and country of origin

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-A1-11405	B	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-10
SAFETY ENGINEER	TAMURA CORPORATION OF AMERICA			DIM: mm[In] SCL: 2/1 SH: 1 OF 1
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