REV. Status
REVISION – 05/01/96 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 50mW MAX IN SECONDARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 500Ω CT WITH 600Ω LOAD ON SECONDARY.

MODEL NUMBER MET–37

RoHS COMPLIANT

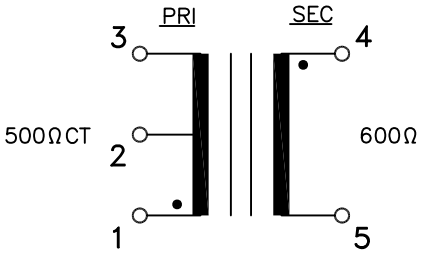
A. Electrical Specifications (@ 20 ° C)

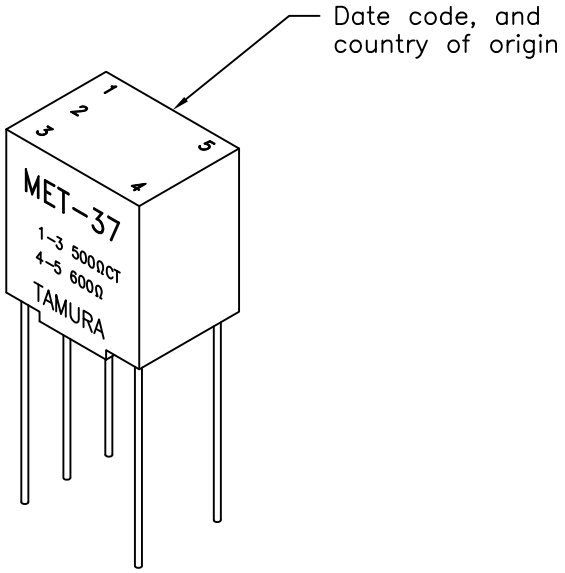
1. Pri Source Impedance; 500ΩCT
2. Sec Load Impedance; 600Ω
3. Pri DC Current; 3 mA MAX
4. Operating Level; 50 mW MAX @ 300 Hz
5. Frequency Response (relative to 1 KHz); ±2.0 dB, @ 300 Hz to 100 KHz
6. Longitudinal Balance; 60 dB MIN @ 1 KHz
7. DC Resistance;
   (1–3) 65Ω ±20%
   (4–5) 95Ω ±20%
8. Turns Ratio; (1–3) : (4–5) = 0.918 : 1 ±2%
9. Dielectric Strength;
   60Hz 500Vrms 0.5 minute @ Pri – Sec

B. Marking; MET–37, TAMURA, Primary and Secondary Impedance, date code and country of origin

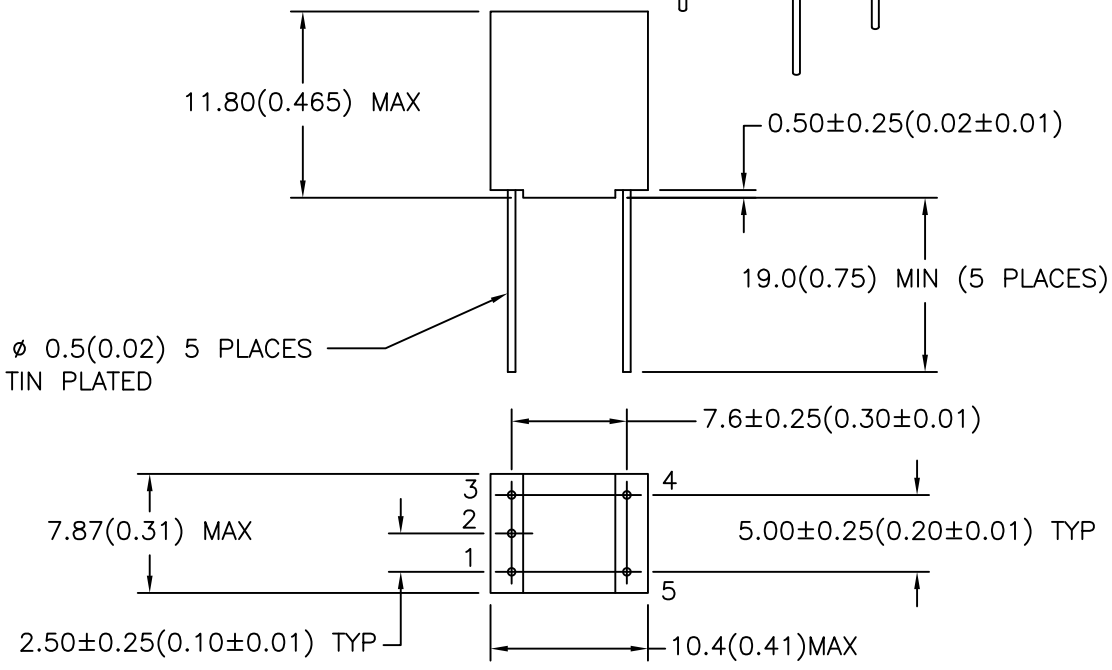
C. Operating Temperature: –20 to +85°C
Storage Temperature: –55 to +105°C

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

APPROVED: M. PITCHAI

DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P–A1–11638	B	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET–37

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TAMURA CORPORATION OF AMERICA
1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029
(951) 699–1270 FAX 7607400536

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