REV. Status
REVISION – 07/13/96 TS
REVISION A UPDATED FORMAT 11/28/96 TS
REVISION B ADDED RoHS 12/09/05 MP
REVISION C ADDED TEMP RATING 5/6/15 MP

MODEL NUMBER
MET–49

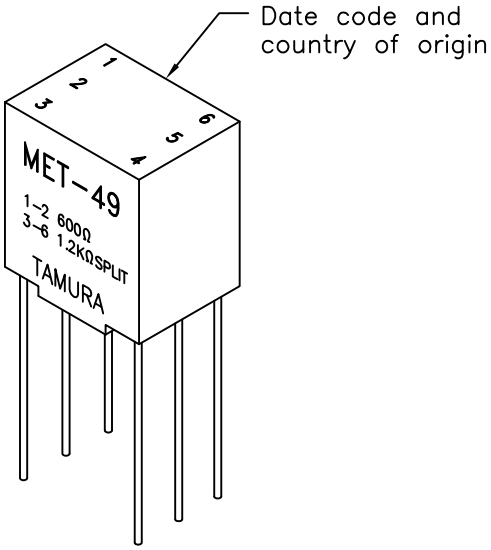
TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω WITH 1.2KΩ CT, 600Ω SPLIT LOAD ON SECONDARY.

A. Electrical Specifications (@ 20° C)

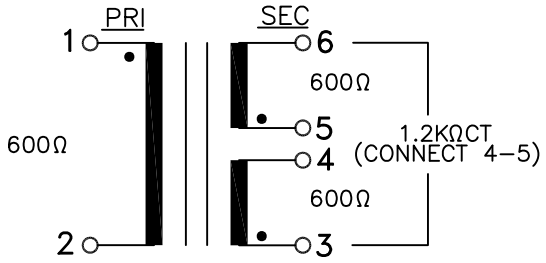
1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 1.2KΩ CT, 600Ω SPLIT
3. Pri DC Current; 3mA MAX
4. Operating Level; 50mW MAX @ 300Hz
5. Frequency Response (relative to 1KHz); ±2.0dB, @ 300Hz to 100KHz
6. Longitudinal Balance; 60dB MIN @ 1KHz
7. DC Resistance;
   (1–2) 70Ω ±20%
   (3–6) 210Ω ±20%
8. Turns Ratio; (1–2) : (3–4) : (5–6) = 1.41 : 1.00 : 1.00 ±2%
9. Dielectric Strength;
   500Vrms 0.5 minute @ Pri to Sec

B. Marking; MET–49, TAMURA, Primary and Secondary Impedance, pin numbers, date code and country of origin.

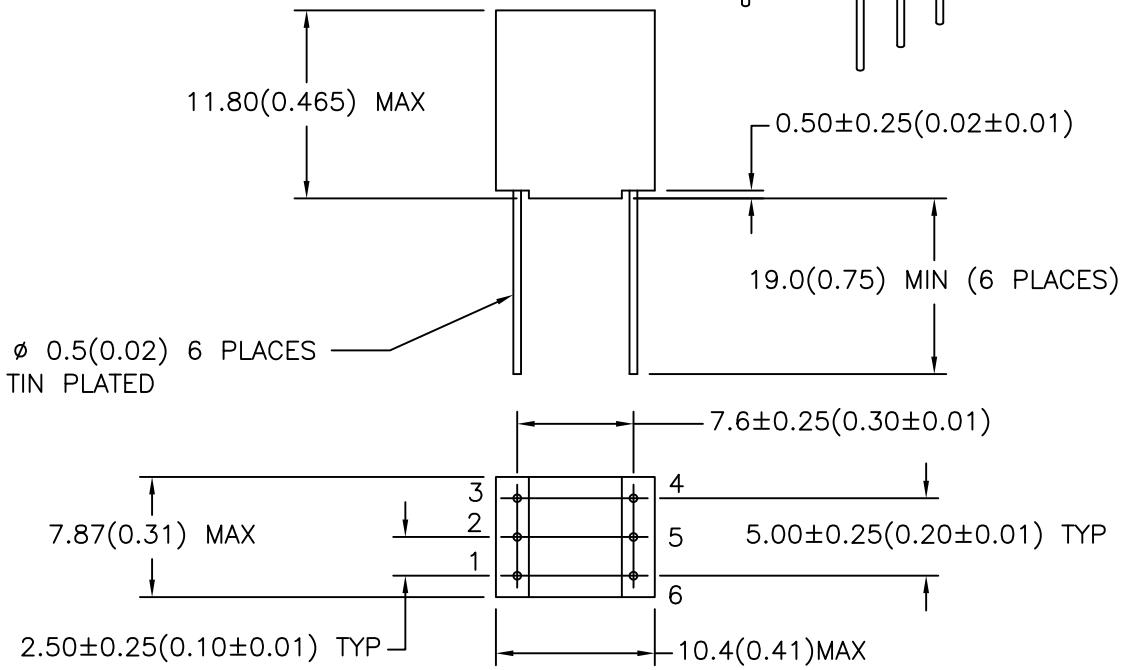
C. Operating Temperature: –20 to +85°C
Storage Temperature: –55 to +105°C



D. Schematic Diagram



E. Mechanical Specifications



TOLERANCES (mm)
≦ 4 ± 0.2
4 ≦ 20 ± 0.3
20 ≦ 50 ± 0.4

PREPARED BY:
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ENGINEER:
MATHI P.

SAFETY ENGINEER

APPROVED:
M. PITCHAI

DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P–A1–10718	C	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET–49

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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