

REV. Status

REVISION - 02/03/94 TS
REVISION B REVISED PIN NUMBERS 06/06/95 TS
REVISION C ADDED RoHS 12/09/05 MP
REVISION D ADDED TEMP RATING 5/6/15 MP

TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω WITH 600Ω CT, 150Ω SPLIT LOAD ON SECONDARY.

A. Electrical Specifications (@ 20 ° C)

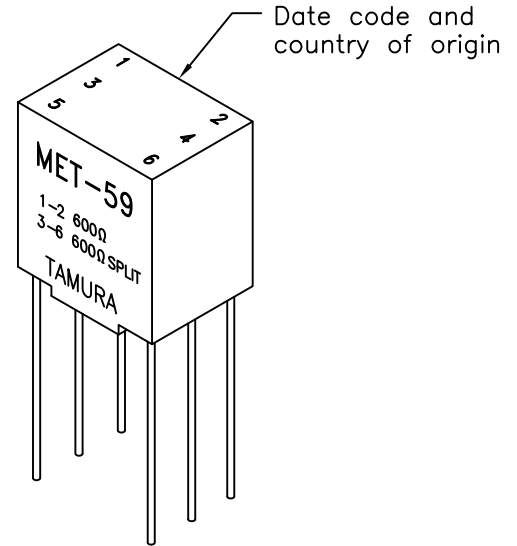
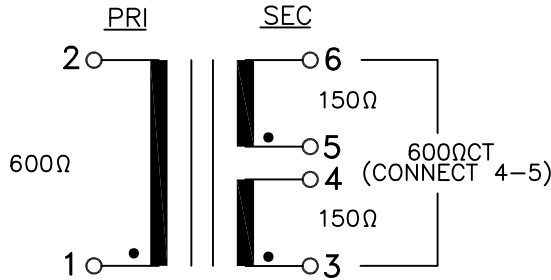
1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 600Ω CT, 150Ω SPLIT
3. Pri DC Current; 3 mA MAX
4. Operating Level; 50 mW MAX @ 300 Hz
5. Frequency Response (relative to 1 KHz); ±2.0 dB, @ 300 Hz to 100 KHz
6. Longitudinal Balance; 60 dB MIN @ 1 KHz
7. DC Resistance; (1-2) 70Ω ±20% (3-6) 95Ω ±20%
8. Turns Ratio; (1-2) : (3-4) : (5-6) = 2 : 1.00 : 1.00 ±2%
9. Dielectric Strength; 1000 Vrms 0.5 minute @ Pri - Sec



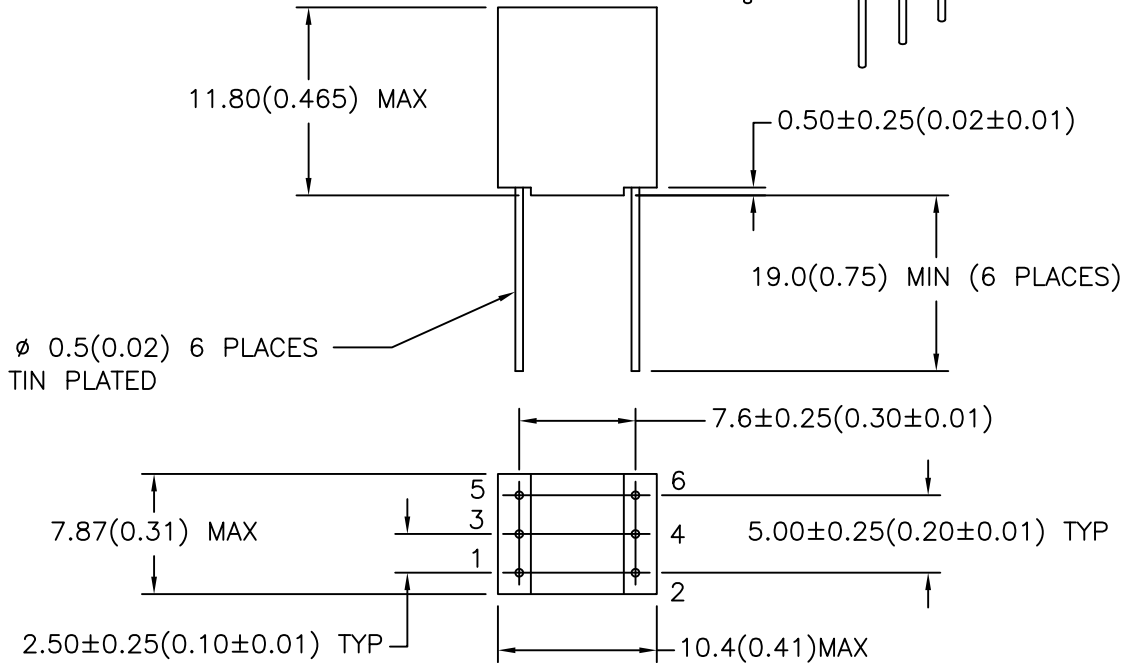
B. Marking; MET-59, TAMURA, Primary and Secondary Impedance, pin numbers, date code and country of origin.

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:

MATHI P.

SAFETY ENGINEER

DRAWING CONTROL NO. P-A1-10255	REV D	MODEL DESCRIPTION AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MODEL SPECIFICATION MET-59
CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536			DIM: mm[In] SCL: 2/1 SH: 1 OF 1

APPROVED:

M. PITCHAI

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MODEL NUMBER

MET-59