

REV. Status

REVISION - 08/03/92 TS
REVISION A CHANGED FORMAT 05/18/00 TS
REVISION B ADDED RoHS 12/02/05 MP
REVISION C NOTE 5: DELETED DC1mA (1-2) 05/05/06 MP
REVISION D ADDED TEMP RATING 5/4/15 MP

TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 40mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 10KΩCT WITH 4.0Ω LOAD ON SECONDARY.

- A. Electrical Specifications (@ 20°C)
1. Pri Source Impedance; 10KΩ CT
 2. Sec Load Impedance; 4.0Ω
 3. Pri DC Current; 1mA MAX (1-2)
 4. Operating Level; 40mW MAX @ 300Hz
 5. Frequency Response (relative to 1KHz); ±2.0dB, @ 300Hz to 100KHz, 16dBm
 6. DC Resistance;
 - (1-3) 1200Ω ±20%
 - (4-5) 1.0Ω ±20%
 7. Turns Ratio; (1-3):(4-5)=1:0.02 ±2%
 8. Insulation Resistance; 100MΩ MIN @ 500VDC Pri to Sec
 9. Dielectric Strength; 500Vrms 0.5 minute @ Pri - Sec

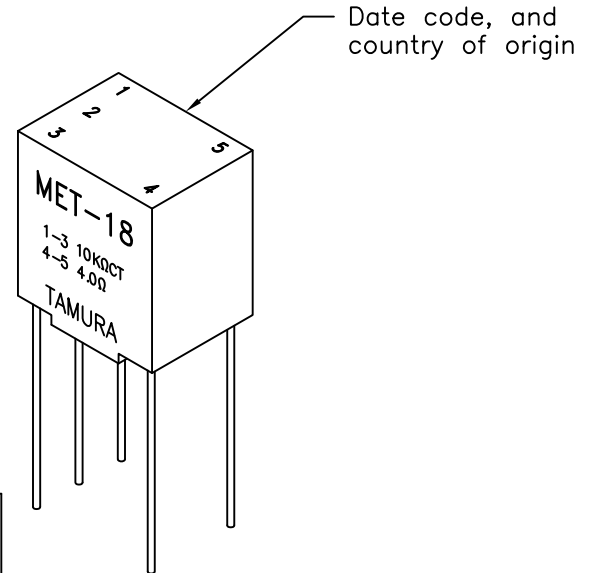
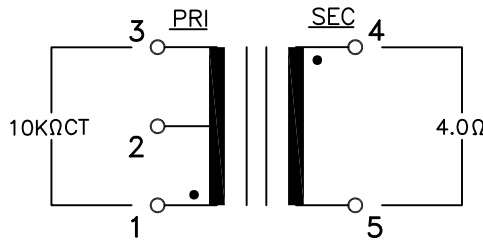


MODEL NUMBER
MET-18

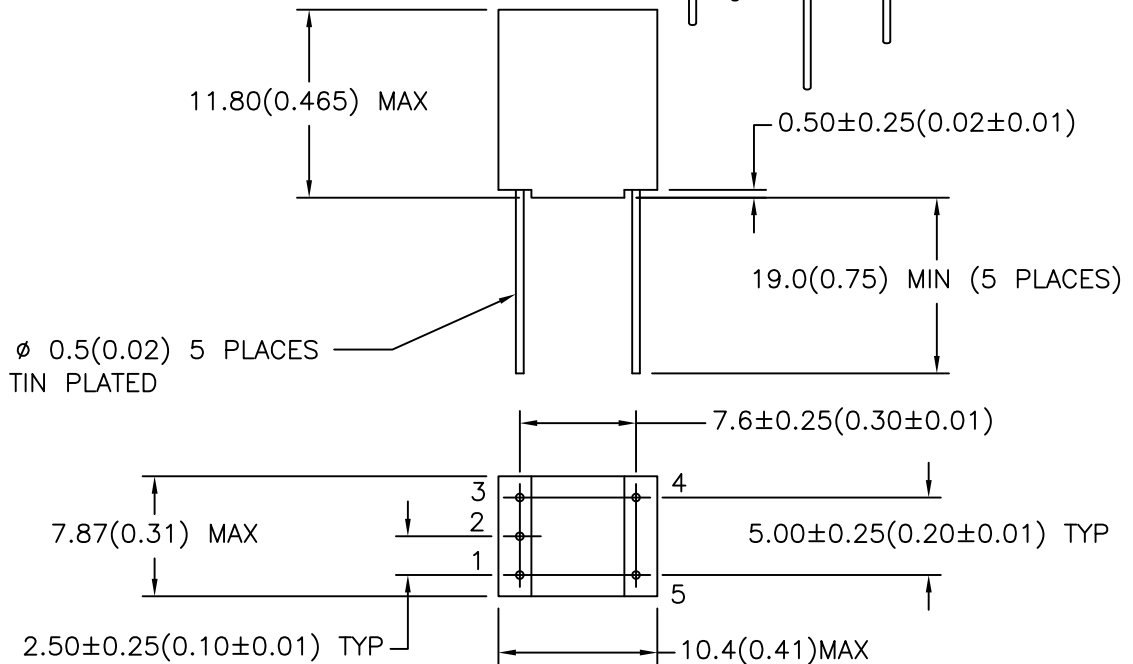
B. Marking; MET-18, TAMURA, Primary and Secondary Impedance, pin numbers, date code and country of origin

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.	DRAWING CONTROL NO. P-A1-10736	REV D	MODEL DESCRIPTION AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MODEL SPECIFICATION MET-18
SAFETY ENGINEER			<p>TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536</p>	
APPROVED: M. PITCHAI			<p>DIM: mm [In] SCL: 2/1 SH: 1 OF 1</p>	
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