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| REV. Status |
| REVISION – 04/29/96 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 40mW MAX IN SECONDARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 300Ω CT WITH 12Ω LOAD ON SECONDARY.

A. Electrical Specifications (@ 20 ° C)

1. Pri Source Impedance; 300ΩCT
2. Sec Load Impedance; 12Ω
3. Pri DC Current; 7 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) 42Ω ±20%
(4-5) 3.4Ω ±20%
8. Turns Ratio; (1-3) : (4-5) = 5.07 : 1 ±2%
9. Dielectric Strength;
60Hz 500Vrms 0.5 minute @ Pri – Sec



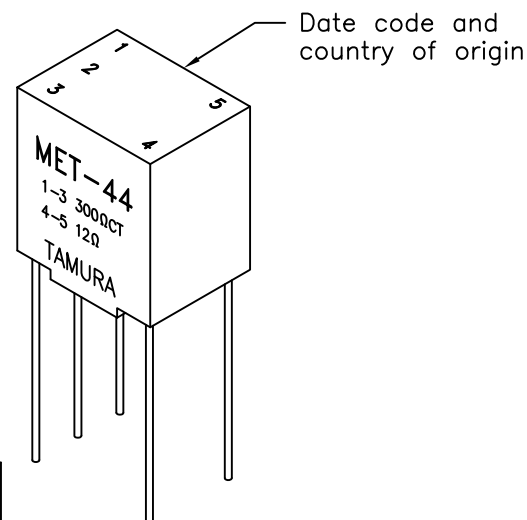
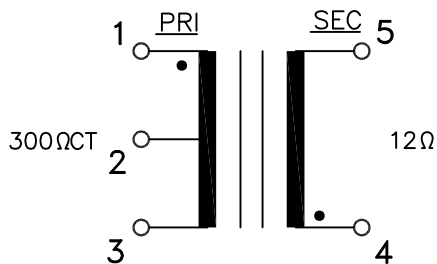
MODEL NUMBER

MET-44

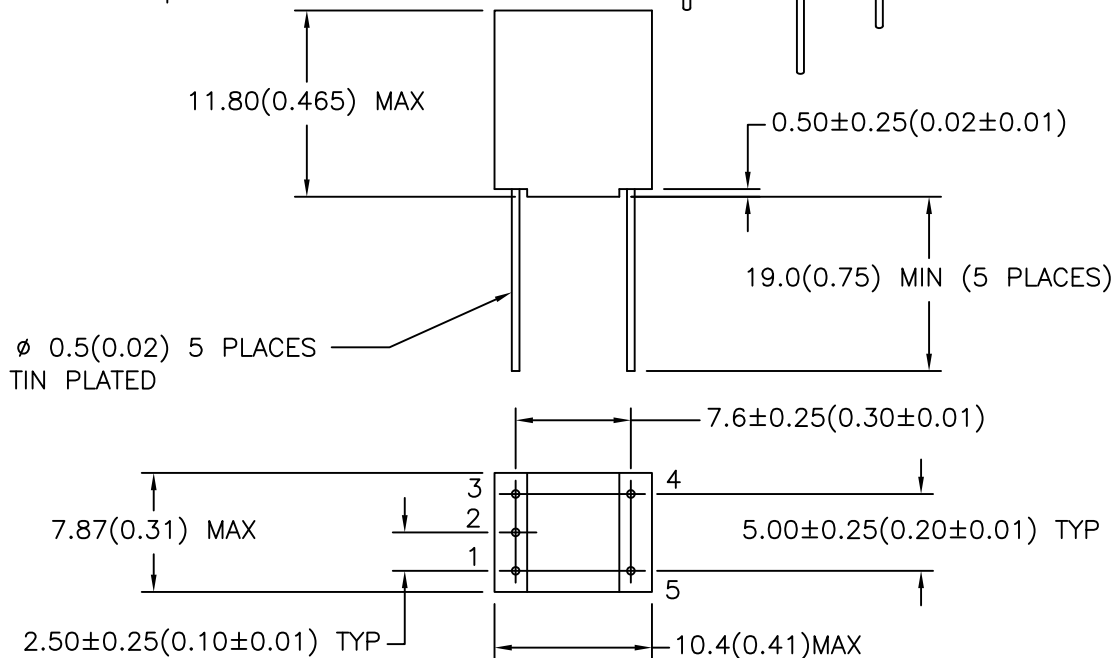
B. Marking; MET-44, TAMURA, Primary and Secondary Impedance, pin numbers, date code and country of origin

- 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

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|-----------------|--|-----|---|---------------------------------|
| ENGINEER: | DRAWING CONTROL NO. | REV | MODEL DESCRIPTION | MODEL SPECIFICATION |
| MATHI P. | P-A1-11626 | B | AUDIO COUPLING MINIATURE ENCAPSULATED XFMR | MET-44 |
| SAFETY ENGINEER | TAMURA CORPORATION OF AMERICA | | | DIM: mm[In] SCL: 2/1 SH: 1 OF 1 |
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| M. PITCHAI | | | | |

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