

REV. Status

REVISION -
04/06/98 TS

REVISION A
ADDED RoHS
12/02/05 MP

REVISION B
ADDED TEMP
RATING
5/4/15 MP

AUDIO COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 40mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 10KΩ WITH 3.2Ω LOAD ON SECONDARY.

A. Electrical Specifications (@ 20° C)

1. Pri Source Impedance; 10KΩ
2. Sec Load Impedance; 3.2Ω
3. Pri DC Current; 0.5mA MAX
4. Operating Level; 40mW MAX @ 300Hz
5. Frequency Response (relative to 1KHz); ±2.0dB, @ 300Hz to 100KHz
6. Longitudinal Balance; 60dB MIN @ 1KHz
7. DC Resistance;
(1-2) 1200Ω ±20%
(3-4) 0.8Ω ±20%
8. Turns Ratio; (1-2) : (3-4) = 55.95 : 1 ±2%
9. Dielectric Strength;
500 Vrms 0.5 minute @ Pri - Sec



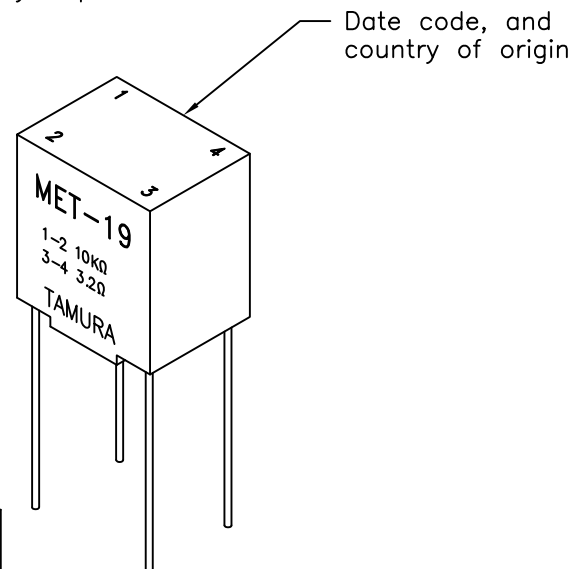
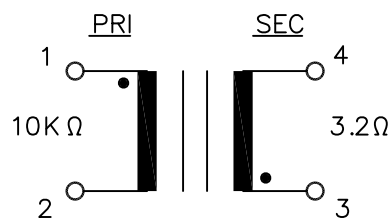
MODEL NUMBER

MET-19

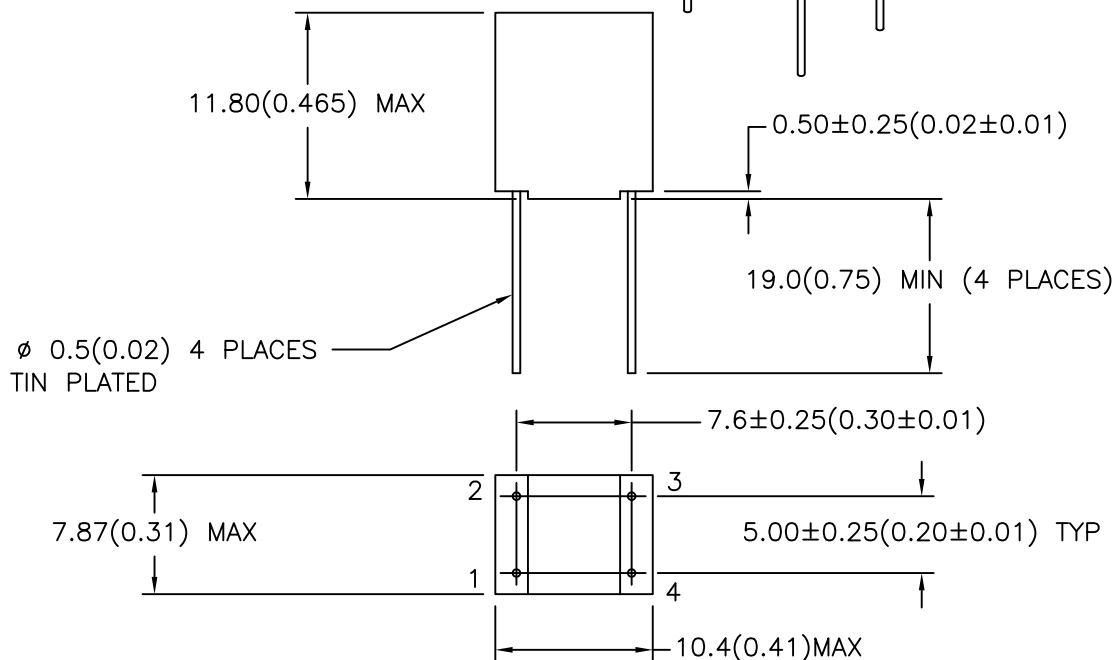
B. Marking; MET-19, TAMURA, Primary and Secondary Impedance, date code and country of origin

- 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

DRAWING CONTROL NO.

P-A1-12006

REV

B

MODEL DESCRIPTION

AUDIO COUPLING
MINIATURE ENCAPSULATED XFMR

MODEL SPECIFICATION

MET-19

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APPROVED:

M. PITCHAI

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