

REV. Status

REVISION -  
02/29/96 TS

REVISION A  
ADDED RoHS  
12/01/05 MP

REVISION B  
NOTE 7 WAS ±20%  
04/19/06 MP

REVISION C  
ADDED TEMP  
RATING  
4/29/15 MP

AUDIO COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 30mW MAX IN SECONDARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 25KΩCT WITH 1KΩCT LOAD ON SECONDARY.

A. Electrical Specifications (@ 20 ° C)

1. Pri Source Impedance; 25KΩCT
2. Sec Load Impedance; 1KΩCT
3. Pri DC Current; 0.5 mA MAX
4. Operating Level; 30 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) 1600Ω ±20% (4-6) 95Ω -20%, +30%
8. Turns Ratio; (1-3) : (4-6) = 5.00 : 1 ±2%
9. Dielectric Strength; 60Hz 500Vrms 0.5 minute @ Pri - Sec



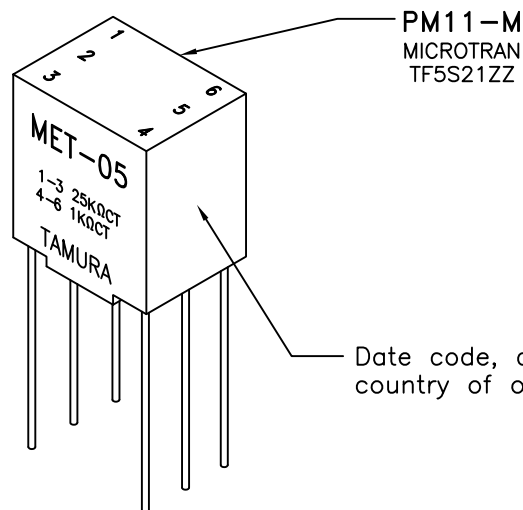
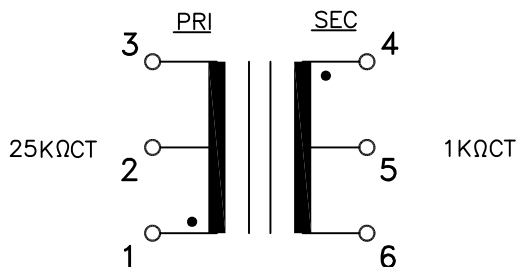
MODEL NUMBER

MET-05

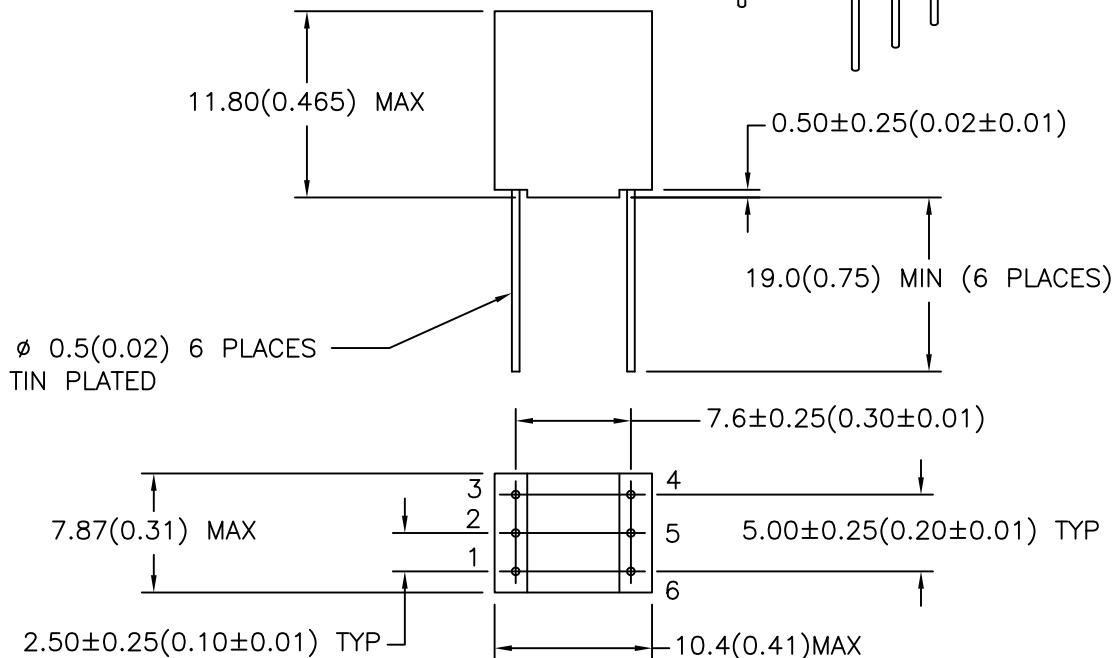
B. Marking; MET-05, TAMURA, Primary and Secondary Impedance, PM11-M, MICROTRAN, TF5S21ZZ, date code and country of origin

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.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P-A1-11577	C	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-05
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