

REV. Status

REVISION -  
04/03/98 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 50mW MAX IN SECONDARY AND REFLECT A PRIMARY IMPEDANCE OF APPROXIMATELY 300Ω CT WITH 600Ω LOAD ON SECONDARY.

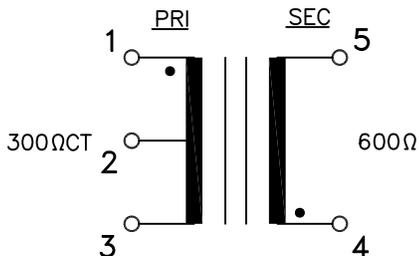
A. Electrical Specifications (@ 20°C)

1. Pri Source Impedance; 300Ω CT
2. Sec Load Impedance; 600Ω
3. Pri DC Current; 7mA MAX
4. Operating Level; 50mW MAX @ 300Hz
5. Frequency Response (relative to 1KHz); ±2.0dB @ 300Hz to 100KHz
6. Longitudinal Balance; 60dB MIN @ 1KHz
7. DC Resistance;
  - (1-3) 41Ω ±20%
  - (4-5) 98Ω ±20%
8. Turns Ratio; (1-3) : (4-5) = 0.71 : 1.00 ±2%
9. Dielectric Strength; 500Vrms (10mA peak MAX) 1 minute @ Pri - Sec

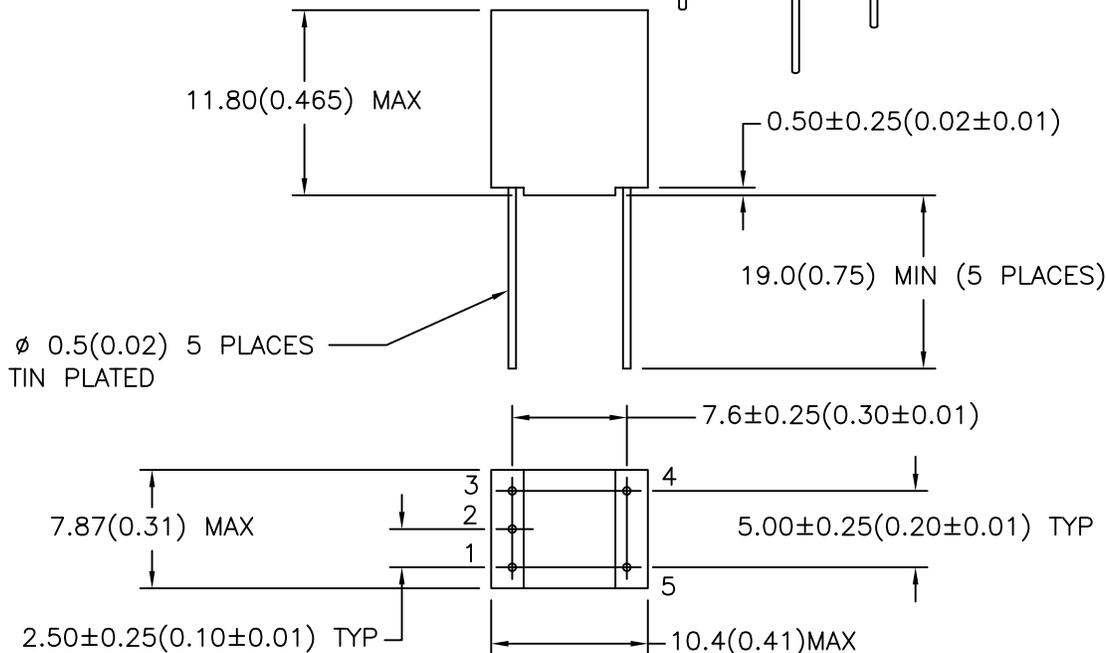
B. Marking; MET-41, TAMURA, Primary and Secondary Impedance, PM38-M, MICROTRAN, TF5S21ZZ, date code and country of origin

C. Operating Temperature: -20 to +85°C  
Storage Temperature: -55 to +105°C

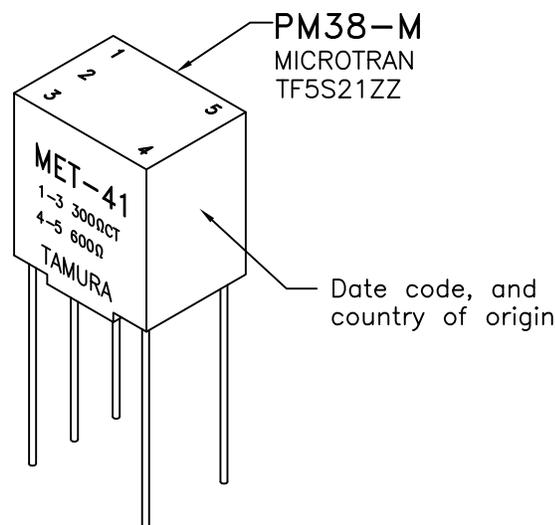
D. Schematic Diagram



E. Mechanical Specifications



MODEL NUMBER  
**MET-41**



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-A1-12014	B	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-41
CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		<b>TAMURA CORPORATION OF AMERICA</b> 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536	DIM: mm[In] SCL: 2/1 SH: 1 OF 1

APPROVED:

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