

REV. Status

REVISION -  
02/28/92 TS

REVISION B  
SCHEM REV  
06/03/92 TS

REVISION C  
NEW FORMAT  
TEMECULA  
WAS CARSON  
ADDED PM33-M  
07/08/96 TS

REVISION D  
ADDED RoHS  
12/02/05 MP

REVISION E  
NOTE 10 WAS ±20%  
04/19/06 MP

REVISION F  
NOTE 6 WAS ±1.0dB  
@ 300Hz TO 3.5KHz  
05/05/06 MP

REVISION G  
ADDED TEMP  
RATING  
5/4/15 MP

A. Electrical Specifications (@ 20 ° C)

1. Pri Source Impedance; 1.5K Ω
2. Sec Load Impedance; 600 Ω
3. Pri DC Current; 3 mA MAX
4. Operating Level; 50 mW MAX @ 300 Hz
5. Insertion Loss;  
2.0 dB MAX @ 1 KHz, 0 dBm
6. Frequency Response (relative to 1 KHz);  
±2.0 dB, @ 300 Hz to 100 KHz, 0 dBm
7. Pri Impedance; 1.5K Ω +20%, -10% @ 1 KHz, 0 dBm, DC3mA
8. Longitudinal Balance; 60 dB MIN @ 1 KHz
9. Total Harmonic Distortion; 10% MAX @ 300 Hz, 50mW
10. DC Resistance;  
(1-2) 160Ω ±20%  
(3-4) 95Ω -20%, +30%
12. Turns Ratio; (1-2) : (3-4) = 1.58 : 1.00 ±2%
13. Dielectric Strength;  
500 Vrms (10 mA peak MAX) 1 minute @ Pri - Sec



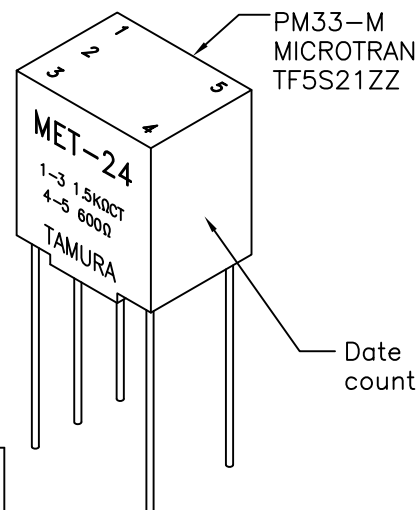
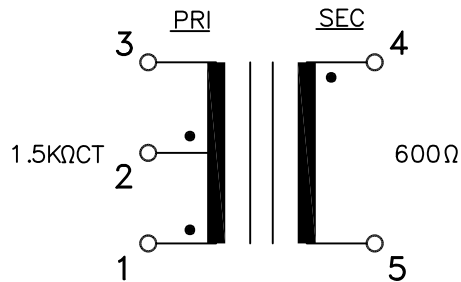
MODEL NUMBER

MET-24

B. Marking; MET-24, TAMURA, Primary and Secondary Impedance, pin numbers, PM33-M, MICROTRAN, TF5S21ZZ, 196-date code and country of origin

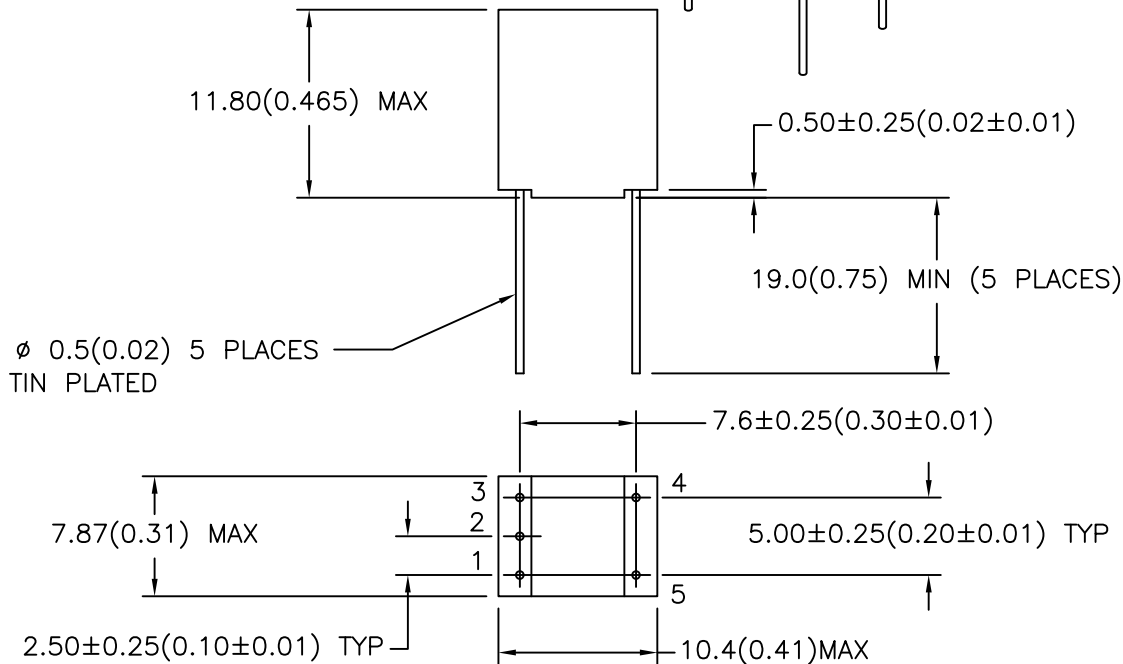
C. Operating Temperature: -20 to +85°C  
Storage Temperature: -55 to +105°C

D. Schematic Diagram



Date code and country of origin

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-A1-10344	G	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-24
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:

M. PITCHAI

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