

REV. Status

REVISION B
01/30/92 TS

REVISION C
TEMECULA WAS
CARSON
ADDED PM32-M
& MICROTRAN
11/06/05 TS

REVISION D
REV'D TITLE
03/07/96 TS

REVISION E
ADDED RoHS
12/08/05 MP

REVISION F
NOTE 5: DELETED
DC3mA
05/05/06 MP

REVISION G
ADD OPERATING
AND TEMP.
02/23/11 MP

TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω WITH 600Ω LOAD ON SECONDARY.

A. Electrical Specifications (@ 20 ° C)

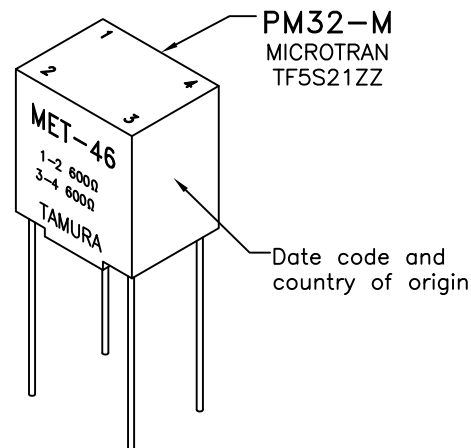
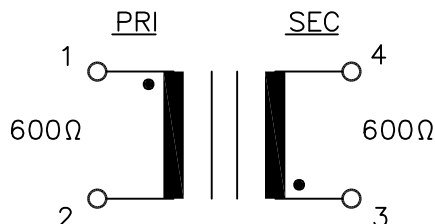
1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 600Ω
3. Pri DC Current; 3 mA MAX
4. Operating Level; 50 mW MAX @ 300 Hz
5. Frequency Response (relative to 1 KHz);
±1.0 dB, @ 300 Hz to 3.5 KHz, 0dBm
6. Longitudinal Balance; 60 dB MIN @ 1 KHz
7. DC Resistance;
(1-2) 85Ω MAX
(3-4) 110Ω MAX
8. Turns Ratio; (1-2) : (3-4) = 1 : 1.00 ±2
9. Dielectric Strength;
1500 Vrms (10 mA peak MAX) 1 minute @ Pri - Sec

B. Operating Temperature; -40 to +85°C

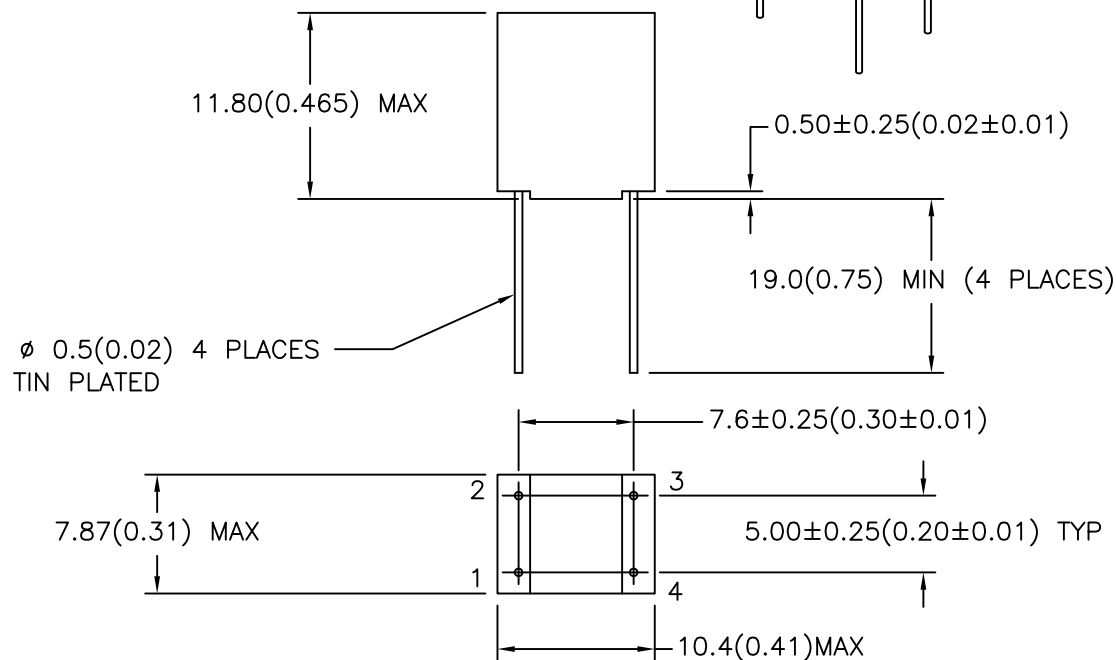
C. Storage Temperature; -55 to +105°C

D. Marking; MET-46, TAMURA, Primary and Secondary Impedance, pin numbers, PM32-M, MICROTRAN, TF5S21ZZ, 196-date code and country of origin

E. Schematic Diagram



D. Mechanical Specifications



TOLERANCES (mm)

≤ 4 ± 0.2
4 ≤ 20 ± 0.3
20 ≤ 50 ± 0.4

PREPARED BY:

C. POPPE

ENGINEER:

M. PITCHAI

SAFETY ENGINEER

B. OCONNELL

APPROVED:

P. BRUNE

DRAWING CONTROL NO.
P-A1-10302
ACAD\MET\A1103021.DWG

REV
G

MODEL DESCRIPTION
AUDIO COUPLING

MODEL SPECIFICATION

MET-46

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TAMURA CORPORATION OF AMERICA
1040 SOUTH ANDREASEN DRIVE, ESCONDIDO, CA. 92029
(951) 699-1270 FAX 7607400536

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MODEL NUMBER

MET-46