

REV. Status

ISSUE 3  
REVISED AND  
REDRAWN ON  
CAD/CAM  
1/30/92 TS

ISSUE 4  
TEMECULA  
WAS CARSON  
ADDED PM32-M  
AND MICROTRAN  
11/6/95 TS

ISSUE 5  
REV TITLE  
03/07/96 TS

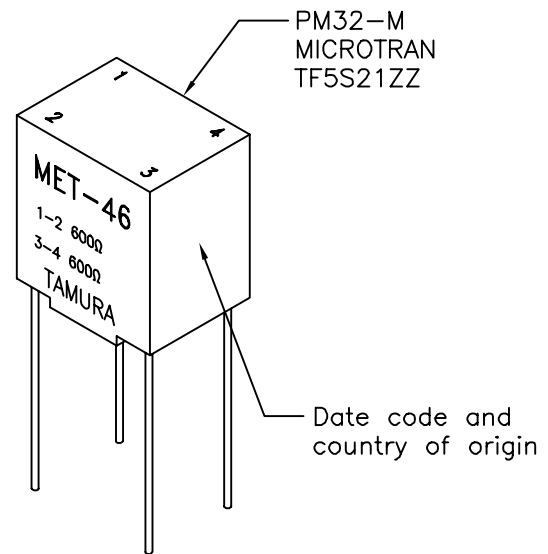
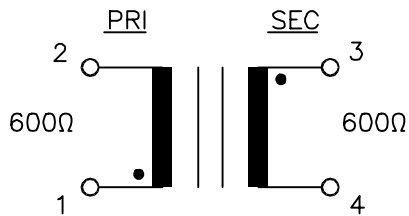
TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω WITH 600Ω LOAD ON SECONDARY.

A. Electrical Specifications (@ 20 ° C)

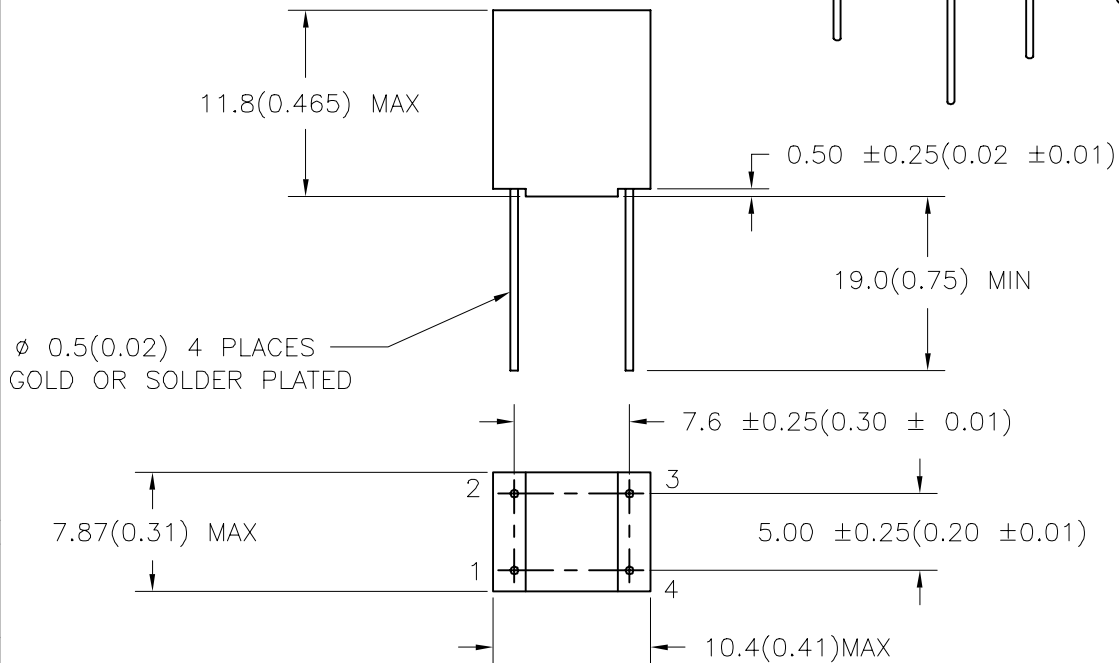
1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 600Ω
3. Pri DC Current; 3 mA MAX
4. Operating Level; 50 mW MAX @ 300 Hz
5. Frequency Response (relative to 1 KHz);  
±1.0 dB, @ 300 Hz to 3.5 KHz, 0dBm, DC3mA
6. Longitudinal Balance; 60 dB MIN @ 1 KHz
7. DC Resistance;  
(1-2) 85Ω MAX  
(3-4) 110Ω 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. Marking; MET-46, TAMURA, Primary and Secondary Impedance, pin numbers, PM32-M, MICROTRAN, TF5S21ZZ, 196-date code and country of origin

C. Schematic Diagram



D. Mechanical Specifications



TOLERANCES (mm)	
≤ 4	± 0.2
4 ≤ 20	± 0.3
20 ≤ 50	± 0.4

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ENGINEER:

T. Shiozawa

QUALITY CONTROL:

M. Ong

APPROVED:

M. Ong

DWG CONTROL NO.  
P-A1-10302  
ACAD\MXFMR\A1103021.DWG

REV  
D

TELECOMMUNICATION COUPLING  
MINIATURE ENCAPSULATED TRANSFORMER

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**MET-46**

MODEL SPECIFICATION

DIM: mm(In) SCL: NONE SH: 1 OF 1

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MODEL NUMBER  
**MET-46**