

REV. Status

ISSUE 1  
12/14/94 TS

ISSUE 2  
DCR (4-6)  
1300?  
WAS 13000?  
9/5/95 TS

ISSUE 3  
ADDED PM17-M  
MICROTRAN  
10/03/95 TS

TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 40mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 10KΩCT WITH 10KΩCT LOAD ON SECONDARY.

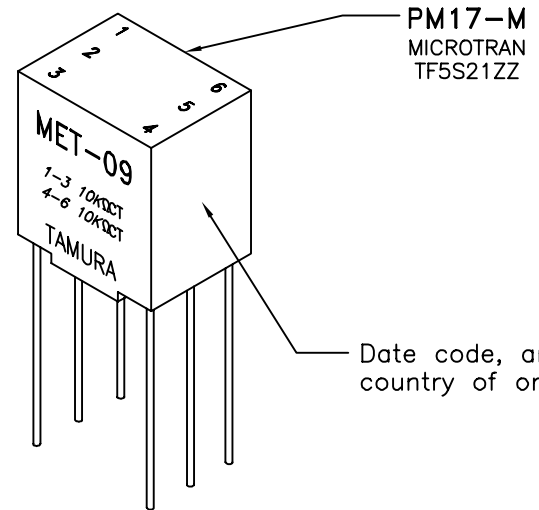
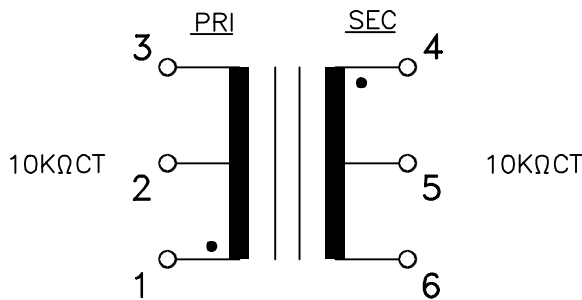
MODEL NUMBER  
**MET-09**

A. Electrical Specifications (@ 20 ° C)

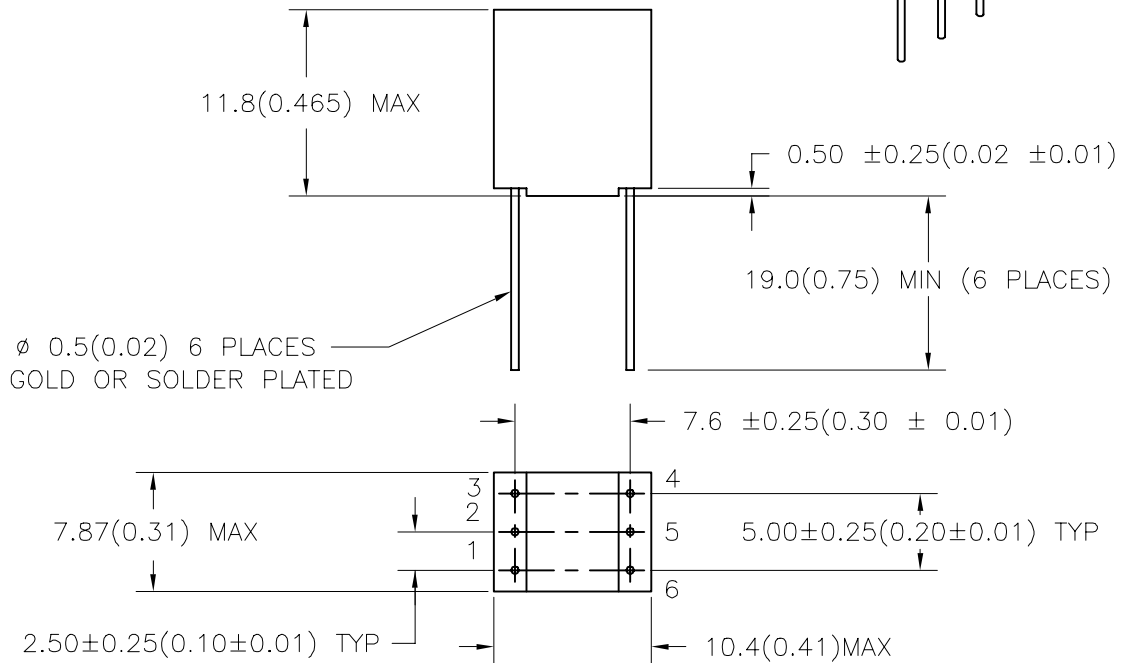
1. Pri Source Impedance; 10KΩ CT
2. Sec Load Impedance; 10KΩ CT
3. Pri DC Current; 1 mA MAX
4. Operating Level; 40 mW MAX @ 300 Hz
5. Frequency Response (relative to 1 KHz); ±2.0 dB, @ 300 Hz to 100 KHz
6. Longitudinal Balance; 60 dB MIN @ 1 KHz
7. DC Resistance;
  - (1-3) 1000 Ω ±20%
  - (4-6) 1300 Ω ±20%
8. Turns Ratio; (1-3) : (4-6) = 1 : 1.00 ±2%
9. Dielectric Strength;
  - 500 Vrms 0.5 minute @ Pri - Sec

B. Marking; MET-09, TAMURA, Primary and Secondary Impedance, PM17-M, MICROTRAN, TF5S21ZZ, date code and country of origin

C. Schematic Diagram



D. Mechanical Specifications



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APPROVED:

V. Casey

DWG CONTROL NO.  
P-A1-11225  
ACAD\MXFMR\A1112251.DWG

REV  
**B**

TELECOMMUNICATION COUPLING  
MINIATURE ENCAPSULATED TRANSFORMER

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**MET-09**

MODEL SPECIFICATION

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

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