

TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 50mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω WITH 1.2KΩ CT, 600Ω SPLIT LOAD ON SECONDARY.

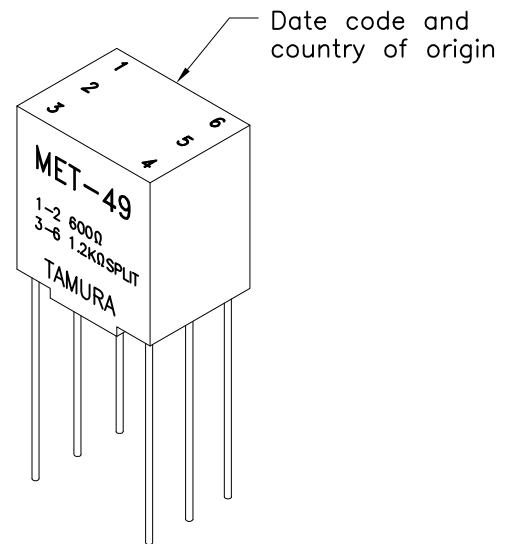
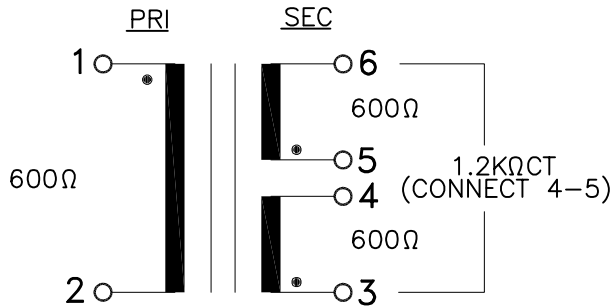
A. Electrical Specifications (@ 20° C)

1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 1.2KΩ CT, 600Ω SPLIT
3. Pri DC Current; 3mA 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;
  - (1-2) 70Ω ±20%
  - (3-6) 210Ω ±20%
8. Turns Ratio; (1-2) : (3-4) : (5-6) = 1.41 : 1.00 : 1.00 ±2%
9. Dielectric Strength; 500Vrms 0.5 minute @ Pri to Sec

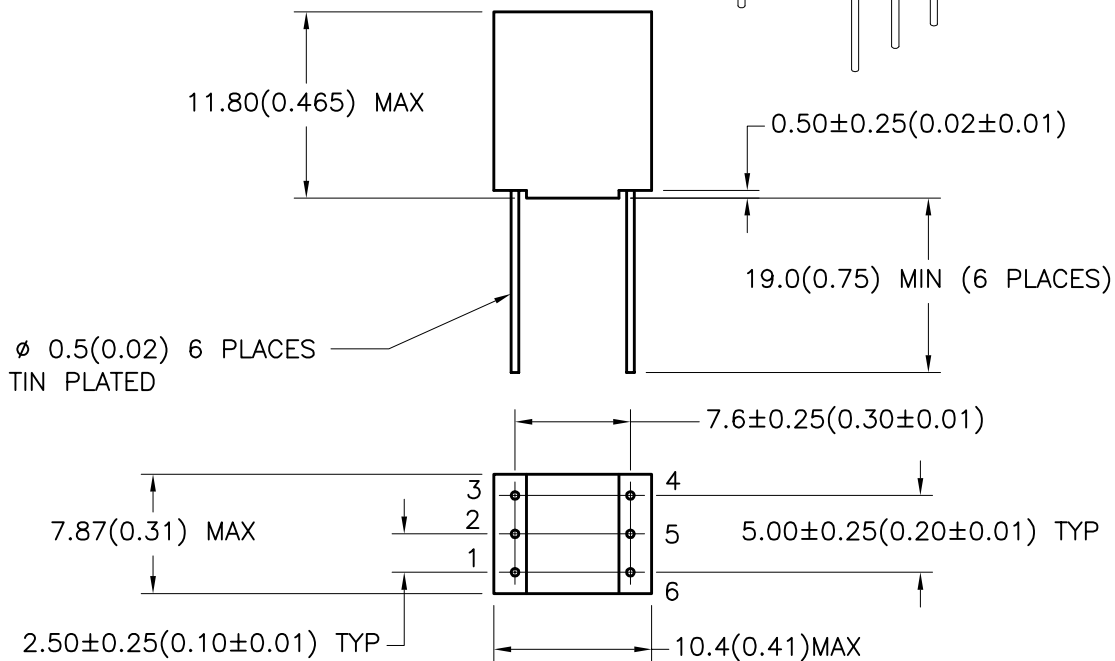


B. Marking; MET-49, TAMURA, Primary and Secondary Impedance, pin numbers, date code and country of origin.

C. Schematic Diagram



D. Mechanical Specifications



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

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QUALITY CONTROL:  
T. CLEM

APPROVED:  
Y. SEKIGUCHI

DWG CONTROL NO.  
P-A1-10718  
ACAD\MET\A1107181.DWG

REV  
**B**

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**MET-49**

MODEL SPECIFICATION  
DIM: mm(In) SCL: 2/1 SH: 1 OF 1

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