

|                                                             |
|-------------------------------------------------------------|
| REV. Status                                                 |
| REVISION -<br>12/24/94 TS                                   |
| REVISION A<br>DCR (4-6)<br>1300Ω<br>WAS 13000Ω<br>9/5/95 TS |
| REVISION B<br>ADDED PM17-M<br>MICROTRAN<br>10/03/95 TS      |
| REVISION C<br>ADDED RoHS<br>12/02/05 MP                     |
| REVISION D<br>ADDED TEMP<br>RATING<br>4/29/15 MP            |

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.

#### 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) 1000Ω ±20%  
(4-6) 1300Ω ±20%
8. Turns Ratio; (1-3) : (4-6) = 1 : 1.00 ±2%
9. Dielectric Strength;  
500 Vrms 0.5 minute @ Pri - Sec



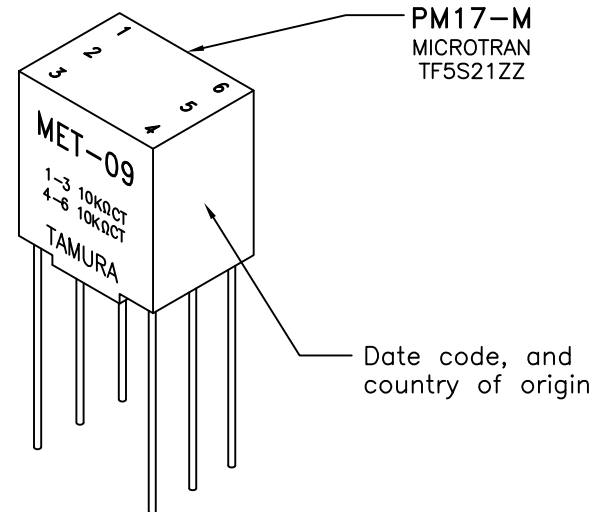
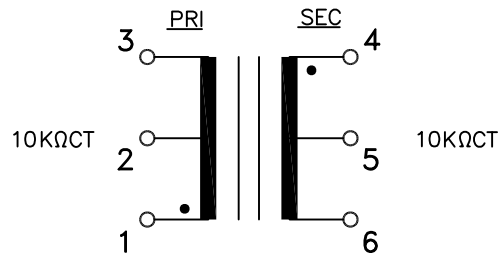
MODEL NUMBER

MET-09

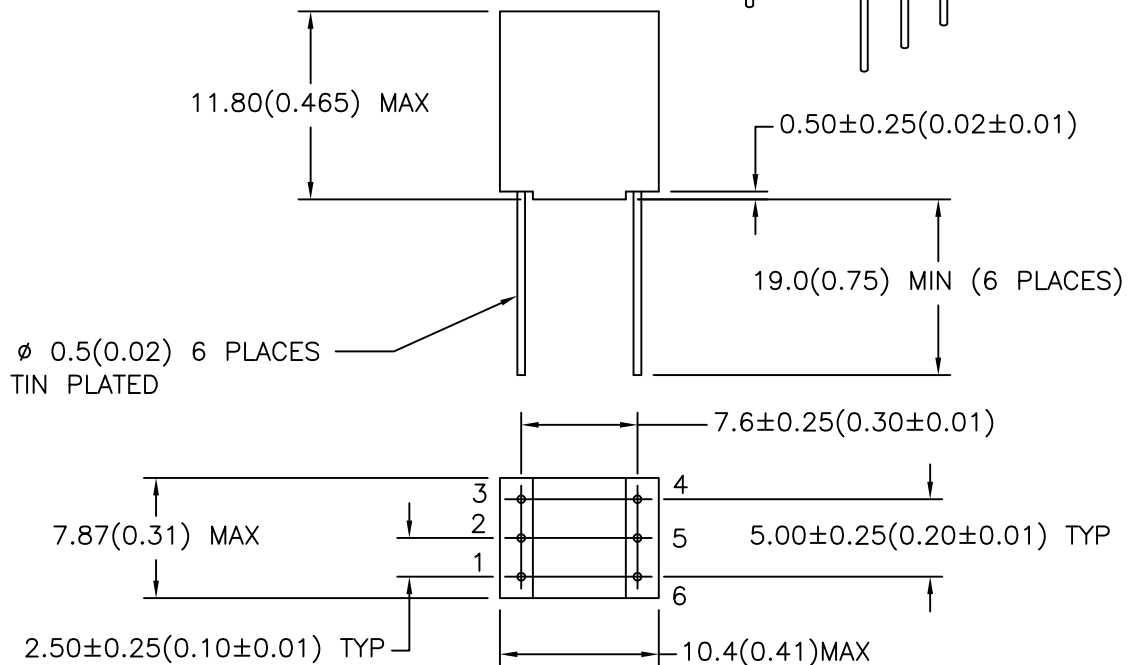
#### B. Marking; MET-09, TAMURA, Primary and Secondary Impedance, PM17-M, MICROTRAN, TF5S21ZZ, date code and country of origin

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

#### D. Schematic Diagram



#### 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.

P-A1-11225

REV

D

MODEL DESCRIPTION

AUDIO COUPLING  
MINIATURE ENCAPSULATED XFMR

MODEL SPECIFICATION

MET-09

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**TAMURA CORPORATION OF AMERICA**  
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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