

REV. Status
REVISION - 09/09/97 TS
REVISION A REVISED AND REDRAWN ON CAD 9/9/97 TS
REVISION B ADDED RoHS 12/02/05 MP
REVISION C ADDED TEMP RATING 4/30/15 MP

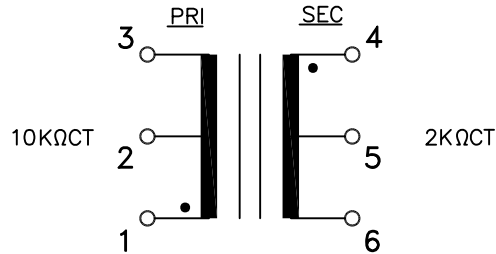
TELECOMMUNICATION COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE 40mW MAX IN PRIMARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 10K Ω CT WITH 2K Ω CT LOAD ON SECONDARY.

- A. Electrical Specifications (@ 20 ° C)
1. Pri Source Impedance; 10K Ω CT
 2. Sec Load Impedance; 2K Ω 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 $\pm 20\%$
(4-6) 300 Ω $\pm 20\%$
 8. Turns Ratio; (1-3) : (4-6) = 2.23 : 1 $\pm 2\%$
 9. Dielectric Strength;
500 Vrms 0.5 minute @ Pri - Sec

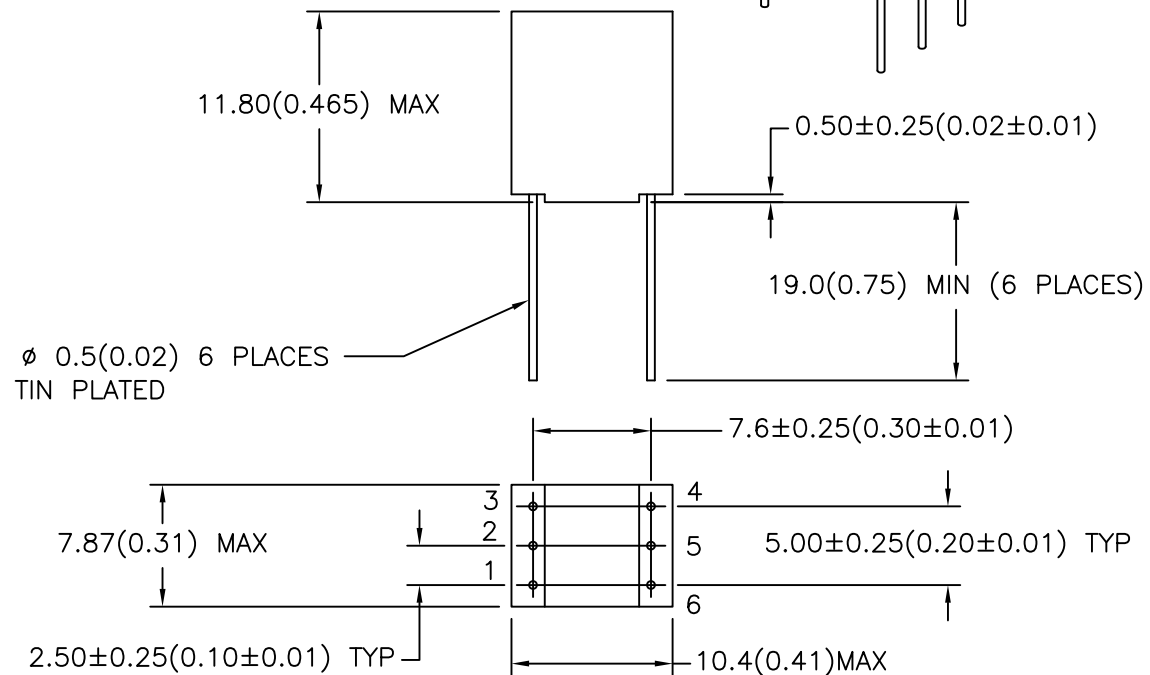
- B. Marking; MET-11, TAMURA, Primary and Secondary Impedence, PM19-M, MICROTRAN, TF5S21ZZ, Date code, and Country of origin

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

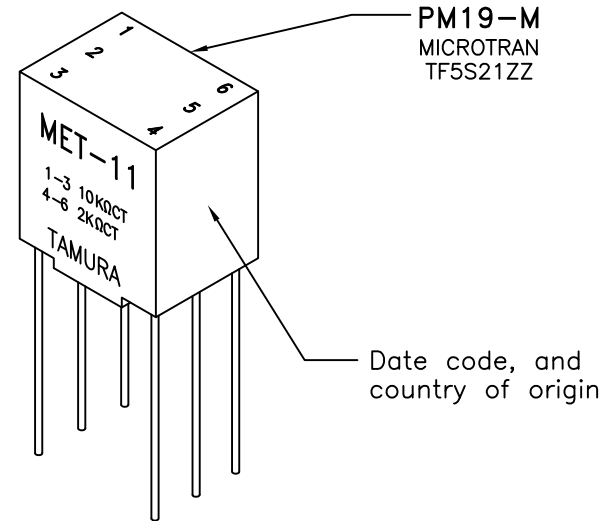
- D. Schematic Diagram



- E. Mechanical Specifications



MODEL NUMBER
MET-11



TOLERANCES (mm)
$\leq 4 \pm 0.2$
$4 \leq 20 \pm 0.3$
$20 \leq 50 \pm 0.4$

PREPARED BY:

C. POPPE

ENGINEER:	DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
MATHI P.	P-A1-10285	C	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-11
SAFETY ENGINEER	TAMURA CORPORATION OF AMERICA			
	1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536			
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M. PITCHAI				