

REV. Status

REVISION –
19/01/95 TS

REVISION A
REV'D MARKING
ADDED PM29–M
12/17/96 TS

REVISION B
ADDED RoHS
12/02/05 MP

REVISION C
ADDED TEMP
RATING
5/4/15 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 500 Ω CT LOAD ON SECONDARY.

NET-17

A black and white logo with a jagged, torn-edge border. The text "RoHS" is in a large, bold, sans-serif font, and the word "COMPLIANT" is in a smaller, all-caps, sans-serif font below it.

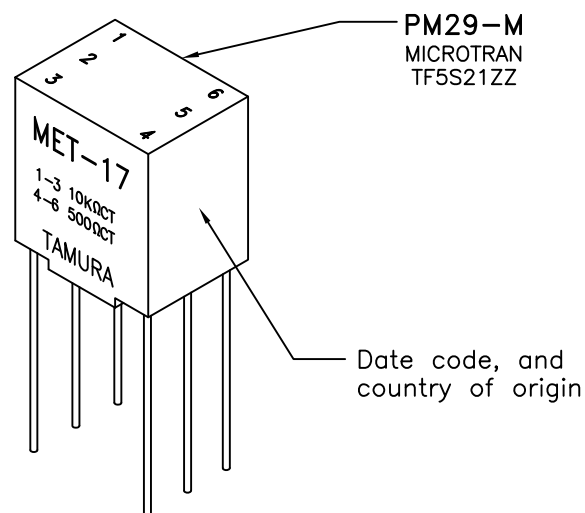
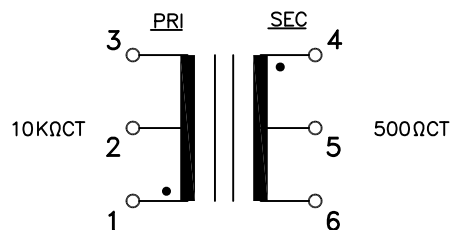
A. Electrical Specifications (@ 20 ° C)

1. Pri Source Impedance; $10\text{K}\Omega$ CT
2. Sec Load Impedance; 500Ω 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;
 $\left. \begin{array}{l} (1-3) \ 1000\Omega \pm 20\% \\ (4-6) \ 80\Omega \pm 20\% \end{array} \right\}$
8. Turns Ratio; $(1-3) : (4-6) = 4.47 : 1 \pm 2\%$
9. Dielectric Strength;
 500 Vrms 0.5 minute @ Pri - Sec

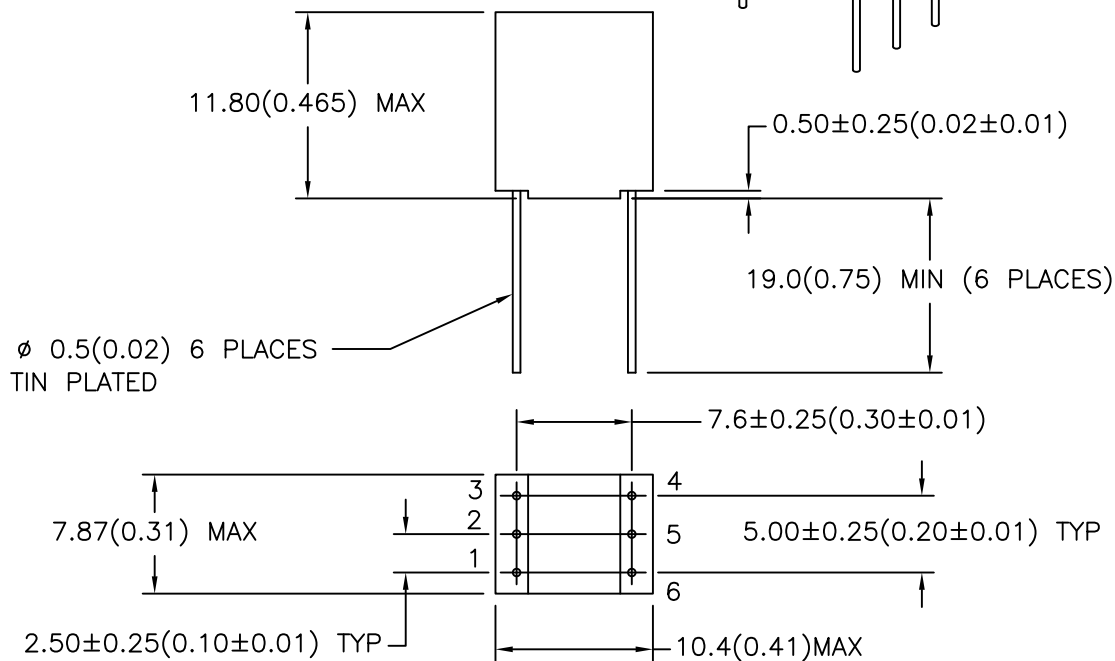
B. Marking; MET-17, TAMURA, Primary and Secondary Impedance, pin numbers, PM29-M, MICROTRAN, TF5S21ZZ, 196-date code and country of origin

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

D. Schematic Diagram



E. Mechanical Specifications



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

PREPARED BY:

C. POPPE

ENGINEER:	DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION		
MATHI P.	P-A1-11406	C	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-17		
SAFETY ENGINEER	CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536			
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M. PITCHAI						