

REV. Status
REVISION – 07/05/95 TS
REVISION A ADDED RoHS 12/01/05 MP
REVISION B ADDED TEMP RATING 5/5/15 MP

AUDIO COUPLING MINIATURE ENCAPSULATED TRANSFORMER DESIGNED TO OPERATE WITH 50mW MAX IN SECONDARY AND REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 1K $\Omega$  WITH 600 $\Omega$  LOAD ON SECONDARY.

#### A. Electrical Specifications (@ 20 ° C)

1. Pri Source Impedance; 1K $\Omega$  CT
2. Sec Load Impedance; 600 $\Omega$  CT
3. Pri DC Current; 3 mA MAX
4. Operating Level; 50 mW MAX @ 300 Hz
5. Frequency Response (relative to 1 KHz);  
 $\pm 2.0$  dB, @ 300 Hz to 100 KHz
6. Longitudinal Balance; 60 dB MIN @ 1 KHz
7. DC Resistance;  
(1-3) 95 $\Omega$   $\pm 20\%$   
(4-6) 85 $\Omega$   $\pm 20\%$
8. Turns Ratio; (1-3) : (4-6) = 1.29 : 1  $\pm 2\%$
9. Dielectric Strength;  
60Hz 500 Vrms 0.5 minute @ Pri – Sec



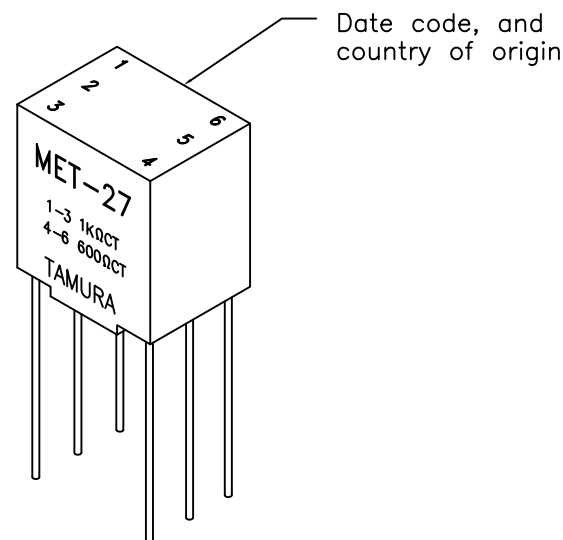
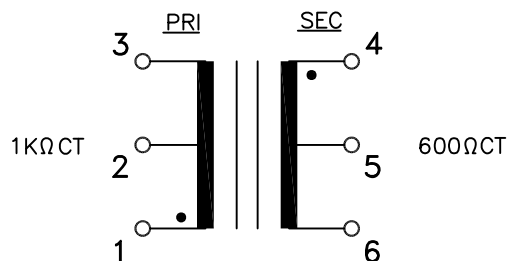
MODEL NUMBER

MET-27

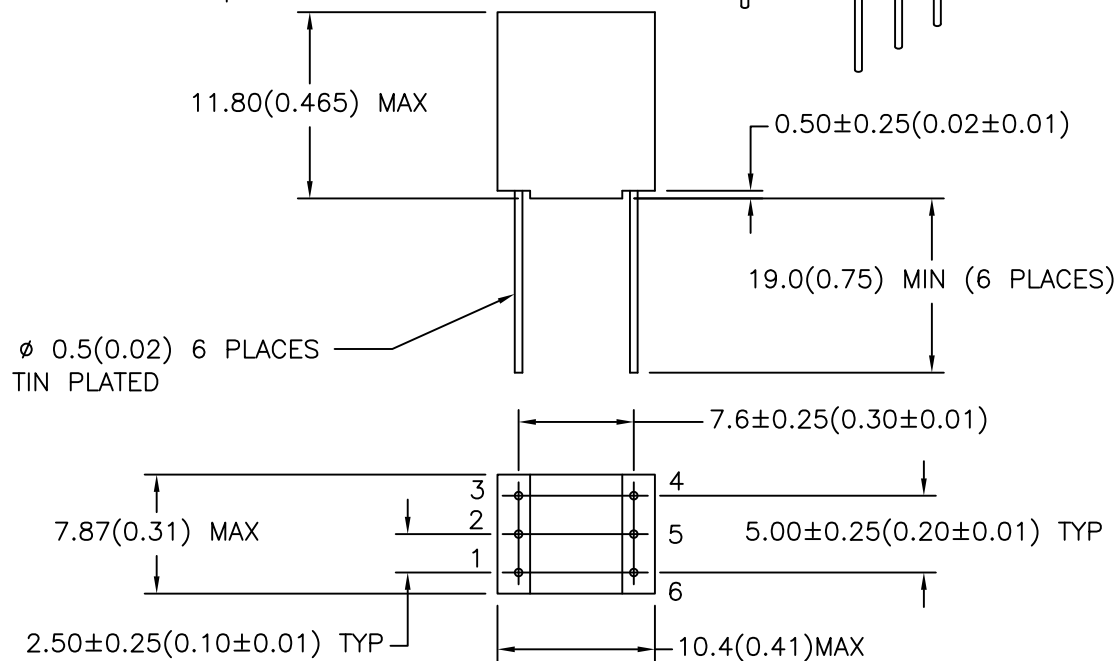
#### B. Marking; MET-27, TAMURA, Primary and Secondary Impedance, pin numbers, date code and country of origin

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

#### D. Schematic Diagram



#### E. Mechanical Specifications



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

PREPARED BY:

C. POPPE

ENGINEER:	DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
MATHI P.	P-A1-11329	B	AUDIO COUPLING MINIATURE ENCAPSULATED XFMR	MET-27
SAFETY ENGINEER	TAMURA CORPORATION OF AMERICA			DIM: mm[In] SCL: 2/1 SH: 1 OF 1
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M. PITCHAI				