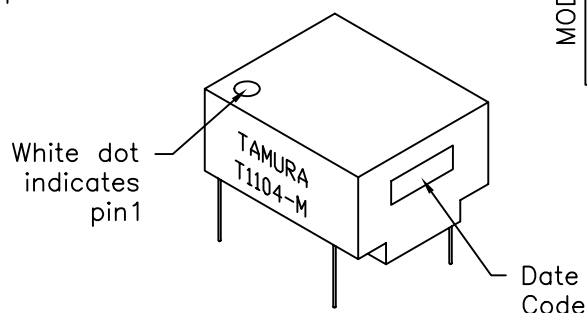


REVISION -
04/23/03 JC

REVISION A
NEW
PACKAGE
REPLACING
P-A1-12147
10/28/03 JC

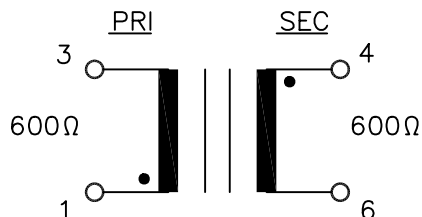
A. Electrical Specifications (@ 25°C)

1. Pri Source Impedance: 600Ω
2. Sec Load Impedance: 600Ω
3. Operating Level: -45dBm to $+7\text{dBm}$ and 0mA DC
4. Insertion Loss: $1.0\text{dB TYP @ } 1\text{KHz, } 0\text{dBm}$
5. Frequency Response (Relative to 1KHz):
 $\pm 0.5\text{dB @ } 300\text{Hz to } 3.5\text{KHz, } 0\text{dBm}$
6. DC Unbalance: 0mA DC
7. Total Harmonic Distortion: $0.5\% \text{ MAX}$
8. Return Loss: 26dB MIN
9. Longitudinal Balance:
 $60\text{dB MIN @ } 200\text{Hz to } 1\text{KHz}$
 $40\text{dB MIN @ } 1\text{KH to } 4\text{KHz}$
10. DC Resistance:
 $1-3 = 46\Omega \pm 15\%$
 $4-6 = 63\Omega \pm 15\%$
11. Dielectric Strength:
 $1500\text{Vrms, } 1 \text{ minute @ Pri to Sec and Pri to Core}$



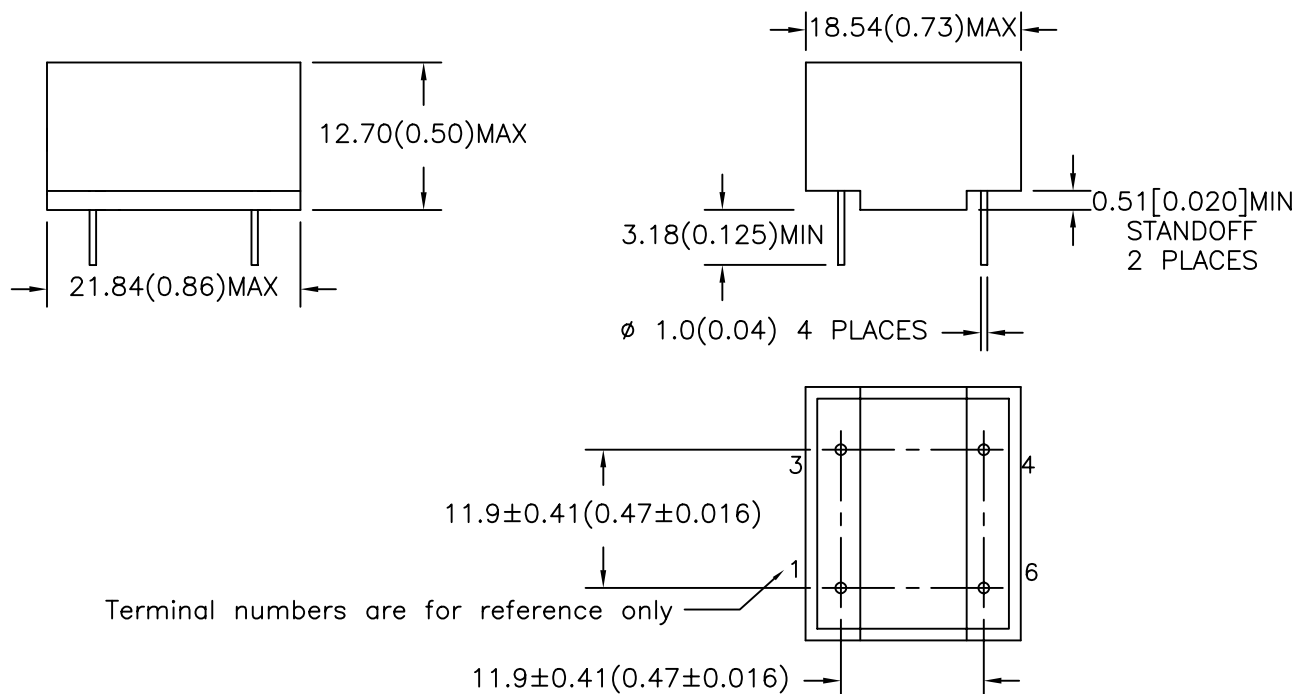
B. Marking: TAMURA, T1104-M, Date Code

C. Schematic Diagram:



D. Mechanical Specifications:

All dimensions shown are nominal unless otherwise specified



TOLERANCES (mm)

$\leq 4 \pm 0.2$
 $4 \leq 20 \pm 0.3$
 $20 \leq 50 \pm 0.4$

PREPARED BY:

D. Rund

ENGINEER:

Y. Sekiguchi

QUALITY CONTROL:

T. Clem

APPROVED:

J. Coleman

DRAWING CONTROL NO.
P-A1-13228
ACAD\MXFMR\A1132281.DWG

REV
A

MODEL DESCRIPTION
TELECOMMUNICATION COUPLING
TRANSFORMER

TAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482

MODEL SPECIFICATION

T1104-M

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

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.