



TELECOMMUNICATION DRY COUPLING TRANSFORMER DESIGNED TO OPERATE AT A MAX LEVEL OF +7dBm AND TO REFLECT A PRIMARY SOURCE IMPEDANCE OF APPROXIMATELY 600Ω WITH 600Ω LOAD ON SECONDARY

MODEL NUMBER
TTC-02

REV. Status

REVISION -
01/08/92 HA

REVISION A
TEMECULA
WAS CARSON
6/5/95 TS

REVISION B
MOVED SAFETY
LOGOS
8/16/95 TS

REVISION C
UPDATED
LABEL
01/31/96 TS

REVISION D
REVISED DIMS
10.2(0.40)MIN
WAS
7.9(0.31)MIN
16.5(0.65)MAX
WAS
17.0(0.67)MAX
01/06/96 TS

REVISION E
ADDED RoHS.
UL1459 WAS
UL1863.
10/17/06 MP

A. Electrical Specifications (@ 25° C)

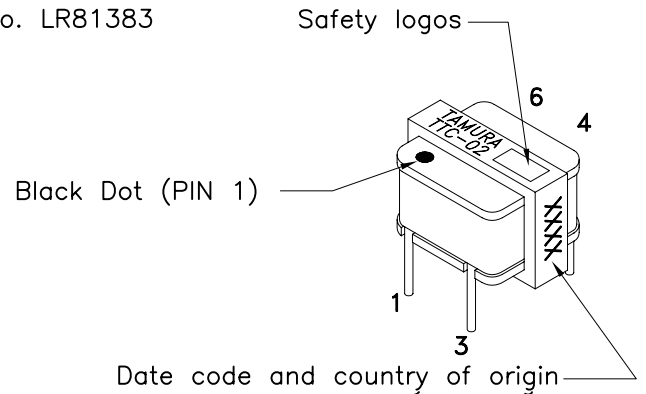
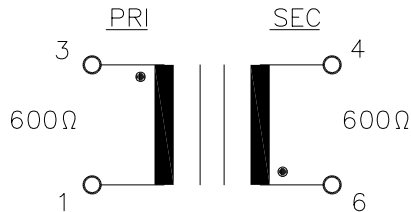
1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω
3. Operating Level; -45 dBm to +7 dBm
4. Insertion Loss;
 - 1.5 dB MAX @ 1 KHz, 0 dBm
5. Frequency Response (relative to 1 KHz);
 - ±0.5 dB @ 300 Hz to 3.5 KHz, 0 dBm
6. Total Harmonic Distortion; 0.5% MAX @ 300 Hz to 3.5 KHz, 0 dBm
7. Longitudinal Balance; 60 dB MIN @ 200 Hz to 4 KHz
8. DC Resistance;
 - (1-3) = 72 Ω MAX
 - (4-6) = 90 Ω MAX
9. Turns Ratio; (1-3) : (4-6) = 1 : 1.00 ±2%
10. Dielectric Strength;
 - 1500 Vrms, 1 minute @ Pri to Sec, Pri to Core
 - 1000 Vrms, 1 minute @ Sec to Core



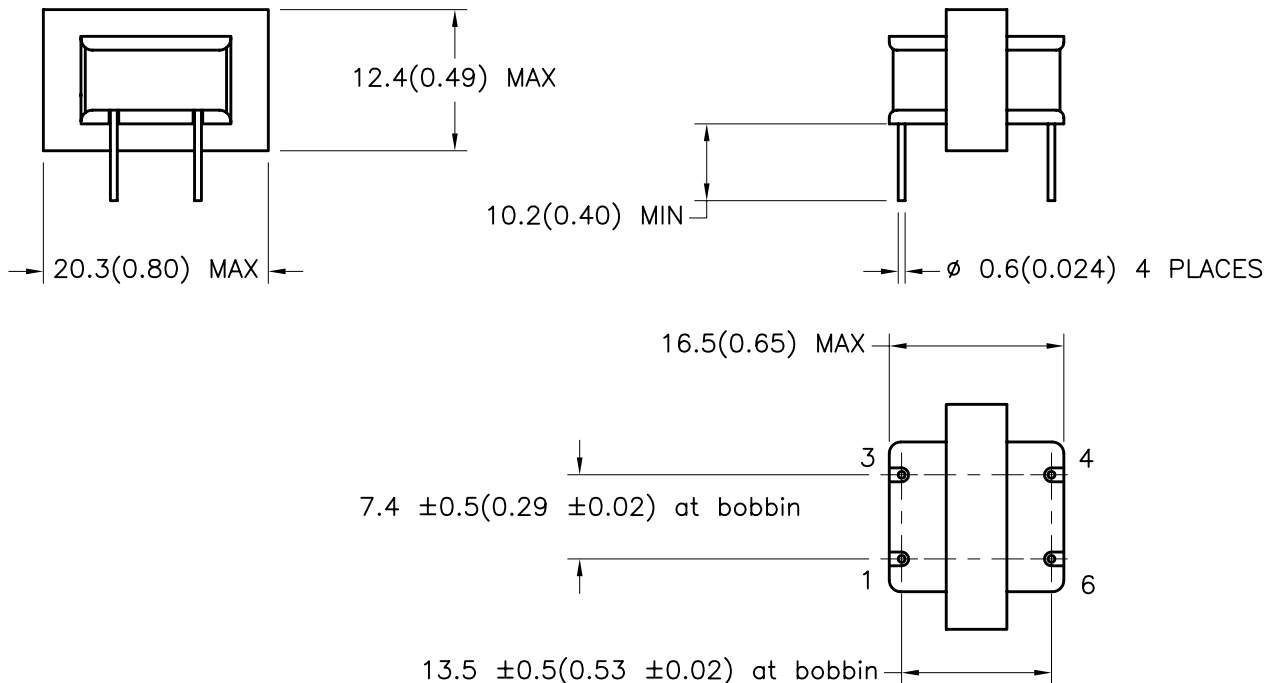
B. Marking; TTC-02, TAMURA, date code, country of origin and safety agency logos

C. Safety: CSA C22.2 No. 66-M1988 File No. LR81383
UL 1459 File No. E142035

D. Schematic Diagram



E. Mechanical Specifications



TOLERANCES (mm)	
≤ 4	± 0.2
4 ≤ 20	± 0.3
20 ≤ 50	± 0.4

PREPARED BY:

K. BRENNAN

ENGINEER:

M. PITCHAI

QUALITY CONTROL:

T. CLEM

APPROVED:

Y. SEKIGUCHI

DWG CONTROL NO. P-A1-10518
ACAD\TTC\A1105181.DWG

REV E TELECOMMUNICATION COUPLING TRANSFORMER

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

TAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(951) 699-1270 FAX 9516769482

TTC-02
MODEL SPECIFICATION
DIM: mm[In] SCL: 1/1 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.