



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)

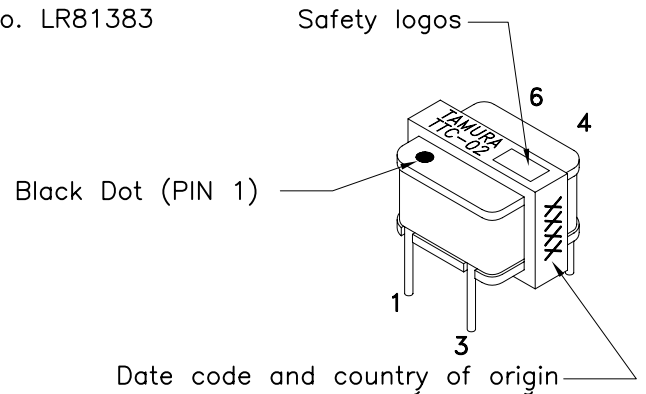
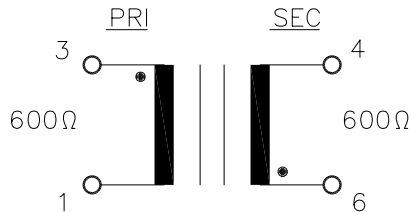
1. Pri Source Impedance; 600 Ω
2. Sec Load Impedance; 600 Ω
3. Operating Level; -45 dBm to +7 dBm
4. Insertion Loss;
  - 1.5 dB MAX @ 1 KHz, 0 dBm
5. Frequency Response (relative to 1 KHz);
  - ±0.5 dB @ 300 Hz to 3.5 KHz, 0 dBm
6. Total Harmonic Distortion; 0.5% MAX @ 300 Hz to 3.5 KHz, 0 dBm
7. Longitudinal 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



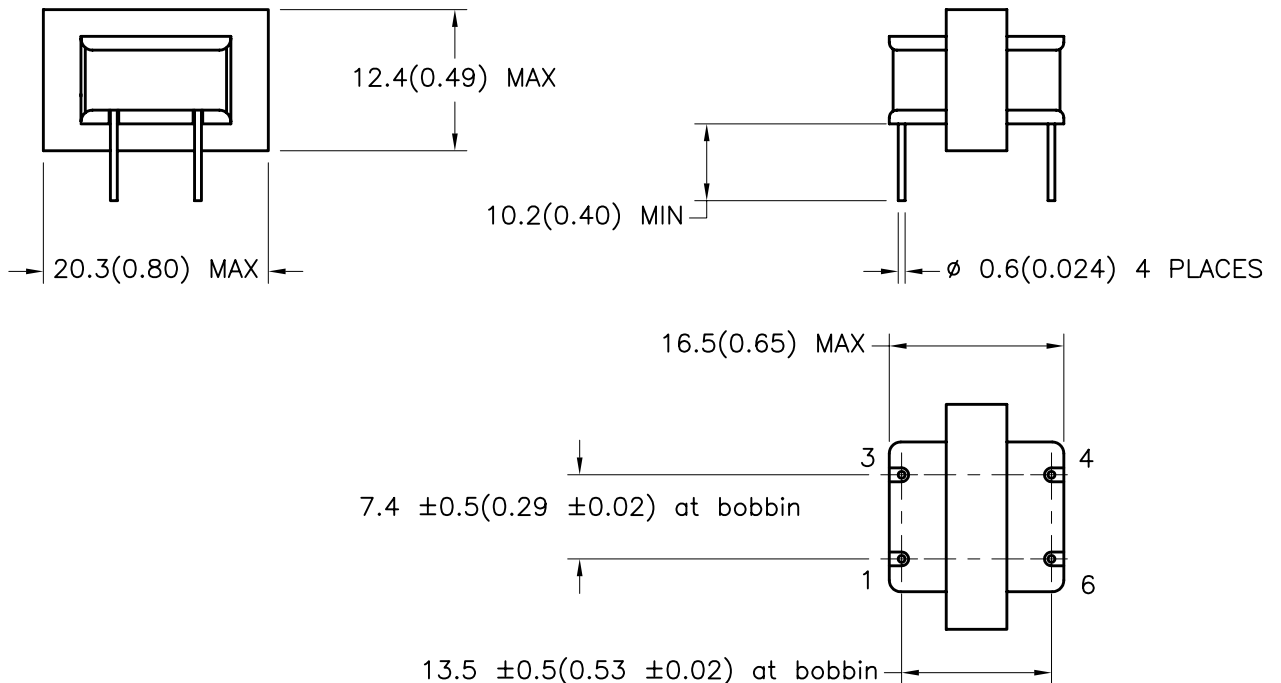
B. Marking; TTC-02, TAMURA, date code, country of origin and safety agency logos

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

**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

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