

REV. Status

ISSUE 1
1/8/92 HA

ISSUE 2
TEMECULA
WAS CARSON
6/5/95 TS

ISSUE 3
MOVED SAFETY
LOGOS
8/16/95 TS

ISSUE 4
UPDATED
LABEL
01/31/96 TS

ISSUE 5
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

TELECOMMUNICATION 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

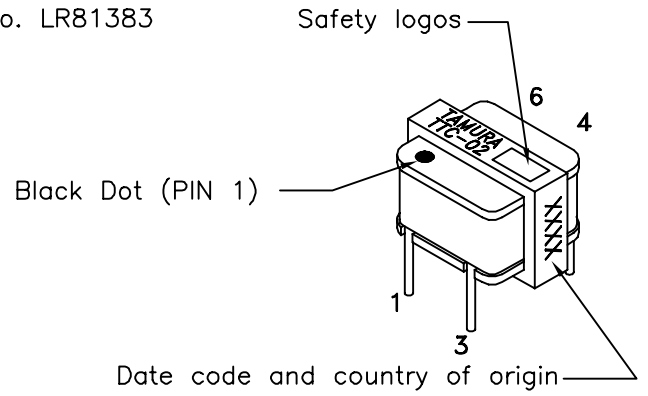
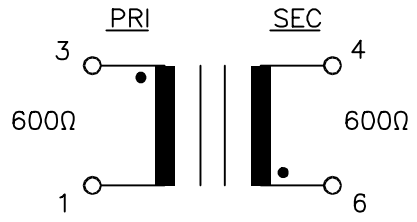
A. Electrical Specifications (@ 25 ° C)

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 t±2%
10. Dielectric Strength;
 - 1500 Vrms, 1 minute @ Pri to Sec, Pri to Core
 - 1000 Vrms, 1 minute @ Sec to Core

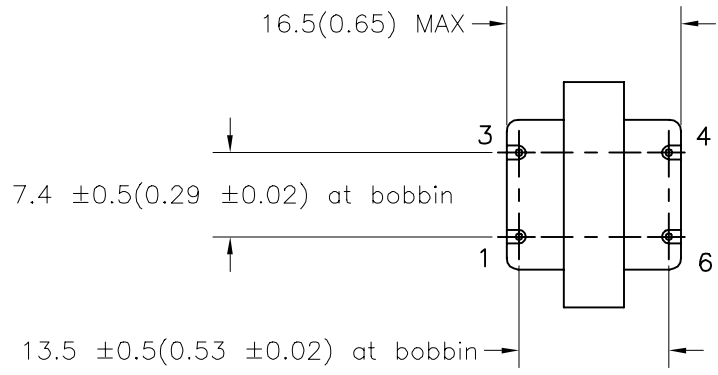
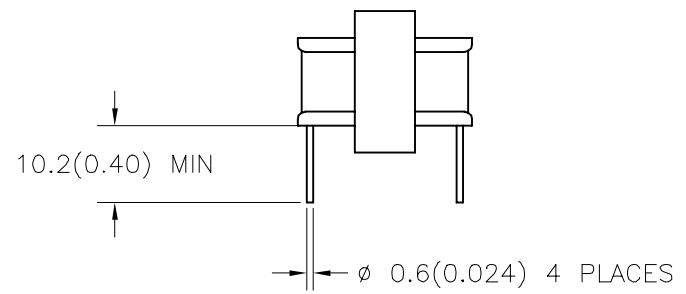
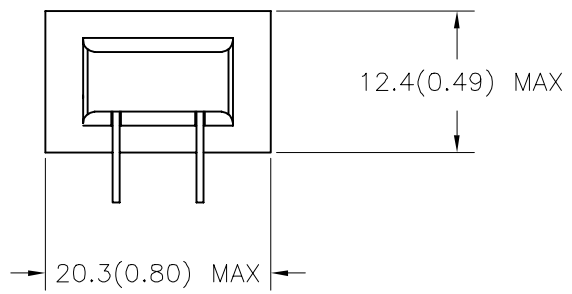
B. Marking; TTC-02, TAMURA, date code, country of origin and safety agency logos

C. Safety: CSA C22.2 No. 66-M1988 File No. LR81383
UL 1863 File No. E142035

D. Schematic Diagram



E. Mechanical Specifications



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

PREPARED BY:

K. Brennan

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

V. Casey

APPROVED:

V. Casey

DWG CONTROL NO. P-A1-10518 ACAD\TTC\A1105181.DWG	REV D
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TELECOMMUNICATION COUPLING TRANSFORMER

TTC-02

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

TAMURA CORPORATION OF AMERICA

MODEL SPECIFICATION

DIM: mm(in) SCL: NONE SH: 1 OF 1

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