

REV. Status

ISSUE 1
1/8/92 HAISSUE 2
TEMECULA
WAS CARSON
6/5/95 TSISSUE 3
MOVED SAFETY
LOGOS
8/16/95 TSISSUE 4
UPDATED
LABEL
01/31/96 TSISSUE 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 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

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



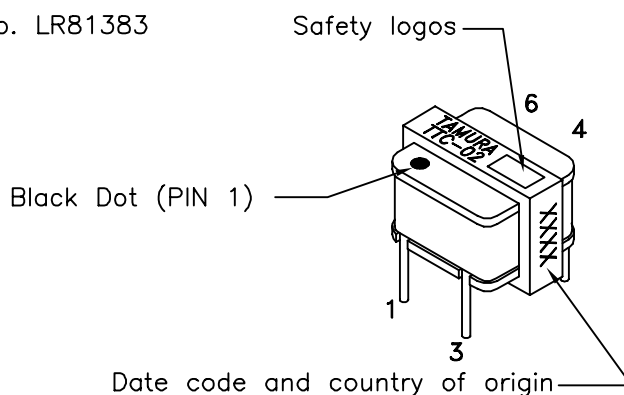
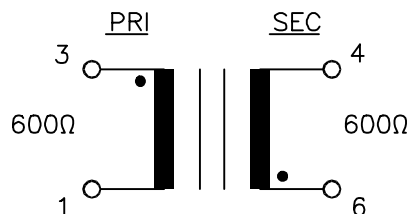
MODEL NUMBER

TTC-02

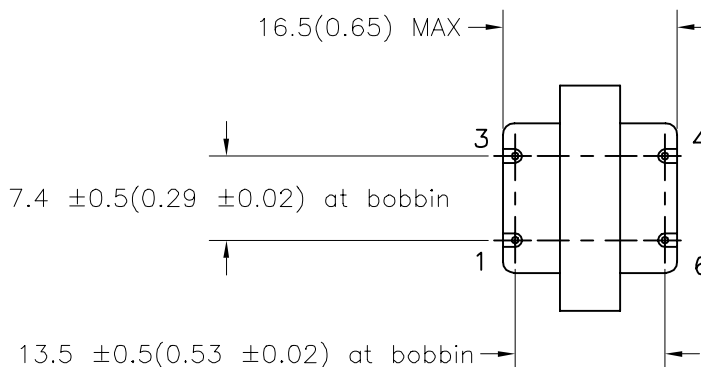
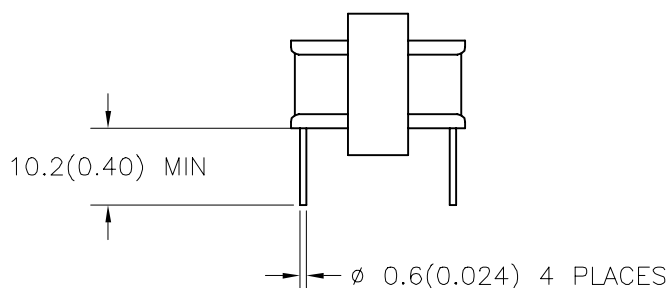
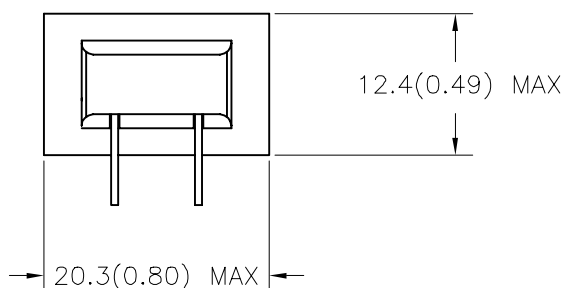
B. Marking; TTC-02, TAMURA, date code, country of origin and safety agency logos

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

D. Schematic Diagram



E. Mechanical Specifications



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

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TELECOMMUNICATION COUPLING
TRANSFORMER

TAMURA CORPORATION OF AMERICA

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TTC-02

MODEL SPECIFICATION

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

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