



REV. Status

REVISION -
04/08/94 TSREVISION A
ADDED T2220
MICROTRAN
AND SAFETY
10/05/95 TSREVISION B
REVISED DIM
MAX HEIGHT
WAS 18.8(0.74)
01/31/96 TSREVISION C
ADDED RoHS.
UL1459 WAS
UL1863.
DIM 20.3(0.799)
WAS 19.8(0.781)
10/17/06 MP

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/600Ω LOAD ON SECONDARY

A. Electrical Specifications (@ 25 ° C)

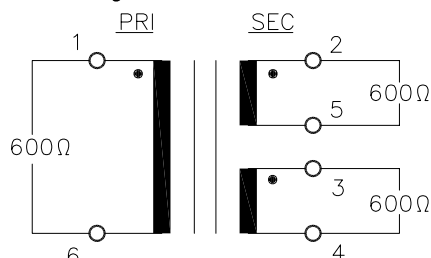
1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 600Ω/600Ω
3. Operating Level; +7 dBm MAX
4. Insertion Loss;
1.2 dB MAX @ 1 KHz, 0 dBm
5. Frequency Response;
±0.5 dB 300 Hz to 3.5 KHz @ 0 dBm
6. Longitudinal Balance;
60 dB MIN @ 200 Hz to 1 KHz
40 dBm MIN @ 4 KHz
7. DC Resistance;
(1-6) = 57 Ω ±20%
(2-5) = 42 Ω ±20%
(3-4) = 42 Ω ±20%
8. Turns Ratio; (1-6) : (2-5) = 1 : 0.736 ±2%
(1-6) : (3-4) = 1 : 0.736 ±2%
9. Dielectric Strength;
1500 Vrms 1 minute @ Pri to Sec, and Core
1000 Vrms 1 minute @ Sec to Core
150 Vrms 1 minute @ Sec to Sec

10. Note: All testing will be calibrated based on 600Ω vs 1200Ω CT impedance matching and connection

B. Marking; TTC-10, TAMURA, T2220, MICROTRAN, safety agency logos, 196-date code and country of origin

C. Safety; CSA-22.2 No. 66-M1988 File No. LR81383
UL 1459 File No. E142035

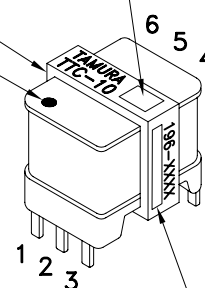
D. Schematic Diagram



MICROTRAN and T2220

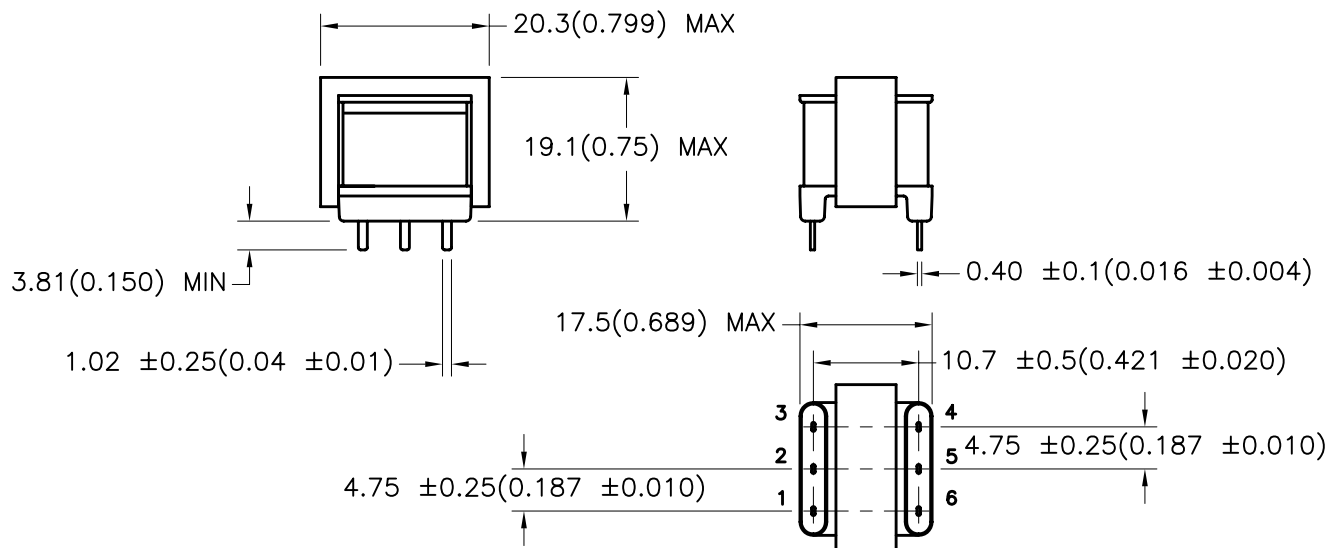
Red Dot PIN 1

Safety logos



E. Mechanical Specifications

Date Code and Country of Origin



TOLERANCES (mm)

≤ 4	± 0.2
4 ≤ 20	± 0.3
20 ≤ 50	± 0.4

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QUALITY CONTROL:

T. CLEM

APPROVED:

Y. SEKIGUCHI

DWG CONTROL NO.
P-A1-11024
ACAD/TTC/A1110241.DWGREV
CTELECOMMUNICATION COUPLING
TRANSFORMERCONTENTS OF THIS DRAWING ARE
SUBJECT TO CHANGE WITHOUT
PRIOR NOTICE**TAMURA CORPORATION OF AMERICA**
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TTC-10

MODEL SPECIFICATION

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

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RoHS
COMPLIANT

UL# E142035

MODEL NUMBER

TTC-10