

ISSUE 1  
4/8/94 TSISSUE 2  
ADDED T2220  
MICROTRAN  
AND SAFETY  
10/05/95 TSISSUE 3  
REVISED DIM  
MAX HEIGHT  
WAS 18.8(0.74)  
01/31/96 TSTel: (973) 779-8282  
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http://www.trcelectronics.com**TRCELECTRONICS, INC.**  
"Authorized Distributor"  
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Lodi, NJ 07644 USA

## A. Electrical Specifications (@ 25 ° C)

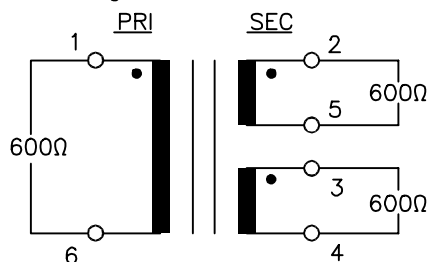
1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 600Ω/600Ω
3. Operating Level; +7 dBm MAX
4. Insertion Loss;  
1.2 dB MAX @ 1 KHz, 0 dBm
5. Frequency Response;  
±0.5 dB 300 Hz to 3.5 KHz @ 0 dBm
6. Longitudinal Balance;  
60 dB MIN @ 200 Hz to 1 KHz  
40 dBm MIN @ 4 KHz
7. DC Resistance;  
(1-6) = 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 1863 File No. E142035

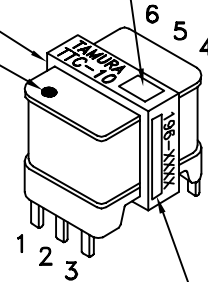
## D. Schematic Diagram



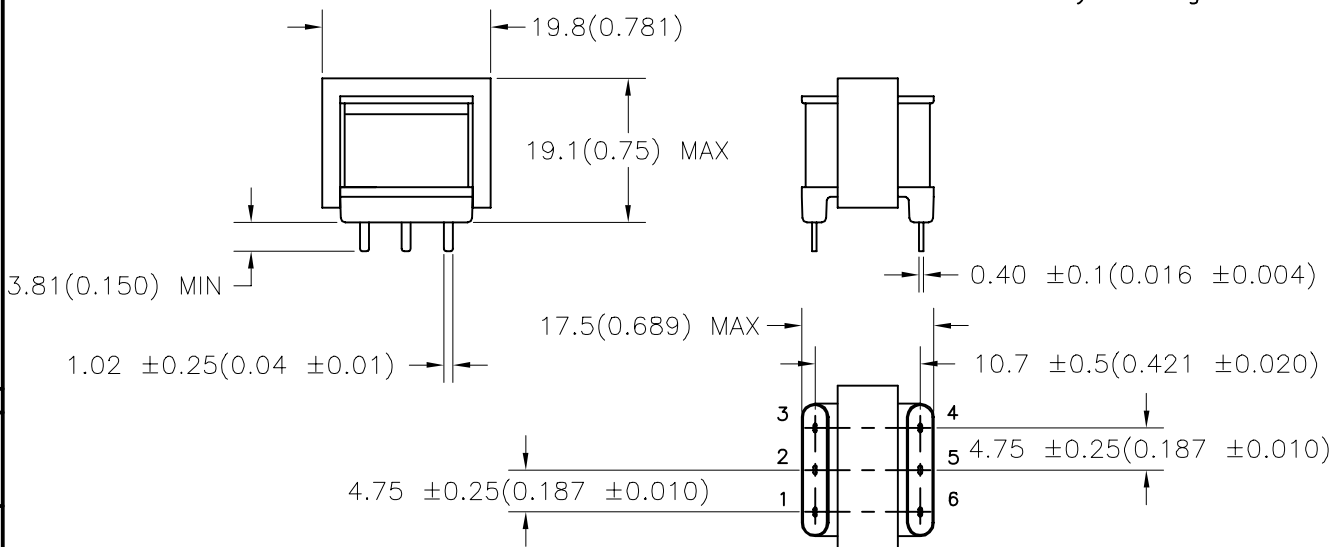
MICROTRAN and T2220

Red Dot PIN 1

Safety logos



## E. Mechanical Specifications



## TOLERANCES (mm)

|         |       |
|---------|-------|
| ≤ 4     | ± 0.2 |
| 4 ≤ 20  | ± 0.3 |
| 20 ≤ 50 | ± 0.4 |

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DWG CONTROL NO.  
P-A1-11024  
ACAD\TTC\A1110241.DWGREV  
BTELECOMMUNICATION COUPLING  
TRANSFORMER**TAMURA CORPORATION OF AMERICA**

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624

**TTC-10**

MODEL SPECIFICATION

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

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