



# TELECOMMUNICATION MODEM COUPLING TRANSFORMER



MODEL NUMBER  
**TTC-294**

## REV. Status

- REVISION - 11/29/00 MP
- REVISION A REV'D DCR TOLERANCE 09/08/04 MP
- REVISION B ADDED RoHS 08/17/05 MP

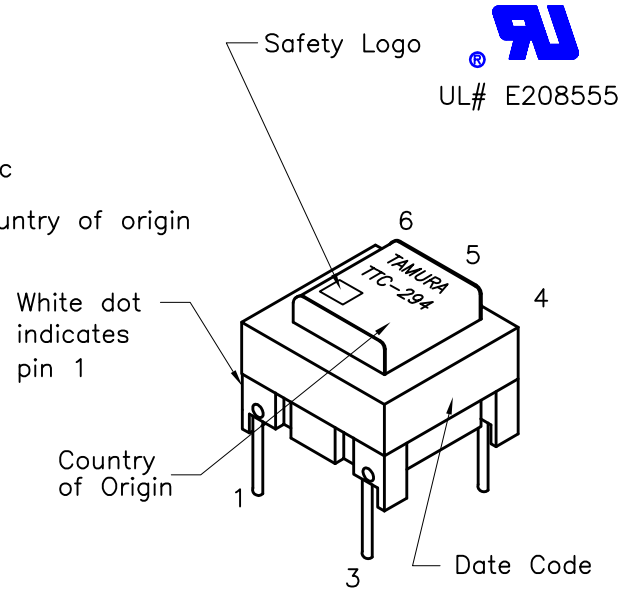
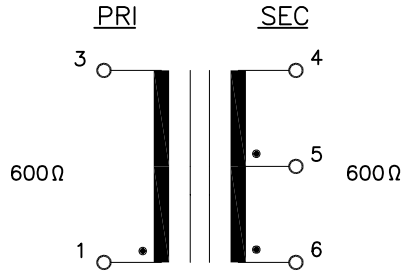
### A. Electrical Specifications (@ 25° C)

1. Primary Impedance; 600Ω
2. Secondary Impedance; 600Ω
3. Insertion Loss: 1.20dB MAX @ 1KHz, 1Vrms
4. Frequency Response; ±0.16dB @ 300Hz to 3.5KHz, 1Vrms
5. Inductance; 1.5H MIN (Lp) @ 1KHz, 1.0Vrms measured (1-3)
6. Leakage Inductance; 2.0mH (Ls) MAX @ 10KHz, 0.1Vrms measured (1-3) with 6 & 4 shorted
7. DC Resistance;
  - (1-3) : 58Ω ±15%
  - (6-5) : 14Ω ±15%
  - (5-4) : 62Ω ±15%
8. Turns Ratio; (6-4):(1-3)=1:1±2%  
(1-3):(5-4)=1:0.8±2%
9. Dielectric Strength; 1850V 1 second, Pri-Sec

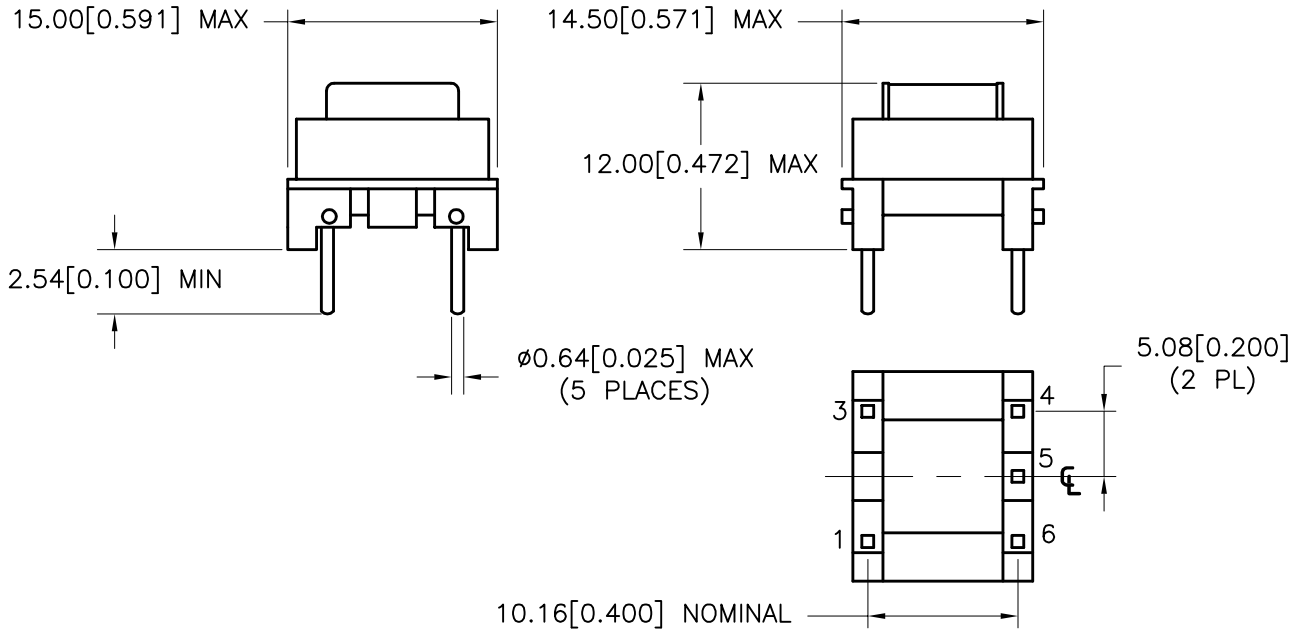
### B. Marking; TTC-294, TAMURA, date code and country of origin

### C. Safety; UL1950 3rd Edition

### D. Schematic;



### E. Mechanical Specifications;



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Y. SEKIGUCHI

DWG CONTROL NO. P-A1-12413  
ACAD\TTC\A1124131.DWG

REV B

TELECOMMUNICATION MODEM  
COUPLING TRANSFORMER

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# TTC-294

MODEL SPECIFICATION

DIM: mm(In) SCL: 2/1 SH: 1 OF 1

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