



ENCAPSULATED TELECOMMUNICATION MODEM COUPLING TRANSFORMER
COMPATIBLE WITH V.90 TECHNOLOGIES

MODEL NUMBER
TTC-5001

REV. Status

- REVISION -
12/10/01 MP
- REVISION A
CHANGED
DIMENSIONS
03/10/04 MP
- REVISION B
DEL SAFETY
EN60950 ADDED
RoHS
04/19/04 MP
- REVISION C
ADDED "A" CLASS
TO MARKING
NOTE. REV'D PIN
DIMS
05/16/06 MP

A. Electrical Specifications (@ 25°C)

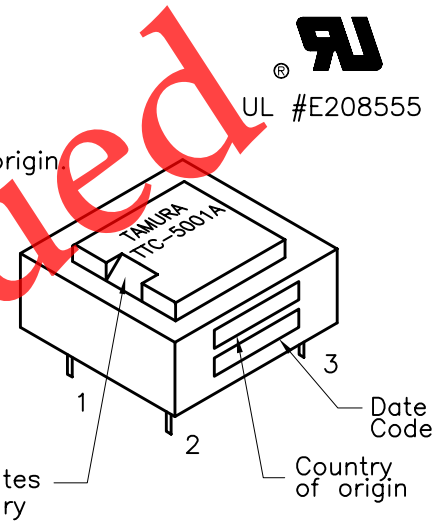
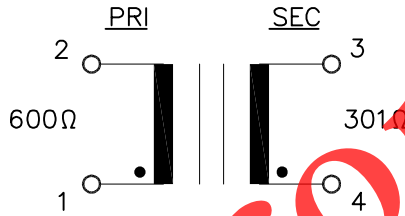
1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 301Ω
3. Insertion Loss;
3.25dB MAX @ 1KHz, 0dBm
4. Frequency Response (relative to 1KHz)
±0.25dB @ 200Hz to 4KHz, 0dBm
5. Longitudinal Balance;
60dB MIN @ 200Hz to 1KHz
40dB MIN @ 1KHz to 4KHz
6. Return Loss; 20dB MIN @ 1KHz, 0dBm (26dB TYP)
7. DC Resistance;
(1-2) = 150Ω ±15%
(3-4) = 150Ω ±15%
8. Turns Ratio; (1-2):(4-3) = 1:1.00±2%
9. Dielectric Strength;
3750Vrms 1 second Pri to Sec
10. Total Harmonic Distortion:
-86dB MAX @ 600Hz, -10dBm (-92dB TYP)



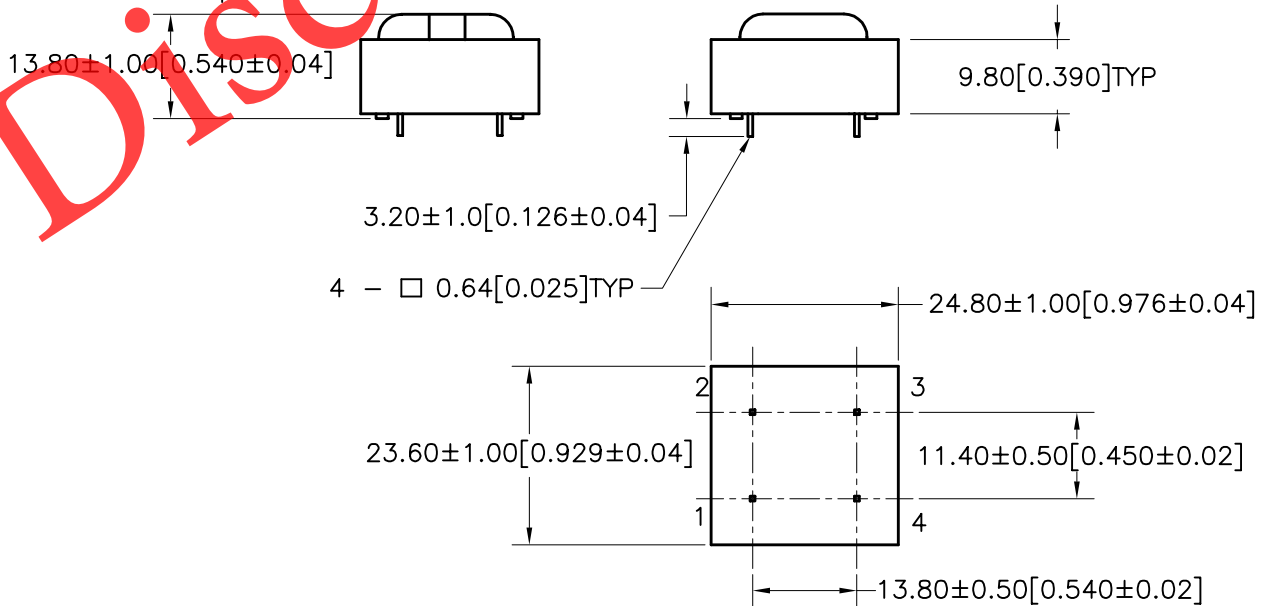
B. Marking; TTC-5001A, TAMURA, date code and country of origin
"A" designates UL approved family classification.

C. Safety; UL 1950 3rd Edition, UL60950

D. Schematic Diagram



E. Mechanical Specifications



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ENGINEER:

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QUALITY CONTROL:

T. CLEM

APPROVED:

Y. SEKIGUCHI

DWG CONTROL NO.
P-A1-12725
ACAD\TTC\A1127251.DWG

REV
C

MODEM COUPLING
TRANSFORMER

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TTC-5001

MODEL SPECIFICATION

DIM: mm [In] SCL: 1/1 SH: 1 OF 1

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