



ENCAPSULATED TELECOMMUNICATION MODEM COUPLING TRANSFORMER
COMPATIBLE WITH V.90 TECHNOLOGIES

REV. Status

REVISION -
12/10/01 MP

REVISION A
REV'D DIMS
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; 600Ω
3. Insertion Loss;
0.75dB MAX, 1KHz, 0dBm
4. Frequency Response (relative to 1 KHz)
±0.50dB 200Hz to 4KHz @ 0dBm
5. Longitudinal Balance;
60dB MIN @ 200Hz to 1KHz
40dB MIN @ 1KHz to 4KHz
6. Return Loss; 20dB MIN @ 1KHz, 0dBm
7. DC Resistance;
(1-2) = 25Ω ±10%
(3-4) = 21Ω ±10%
8. Turns Ratio; (1-2):(4-3) = 1:1.00±2%
9. Dielectric Strength;
3750Vrms 1 second Pri to Sec
10. Total Harmonic Distortion;
-70dB MAX @ 600Hz, -10dBm (-76.0dB TYP)



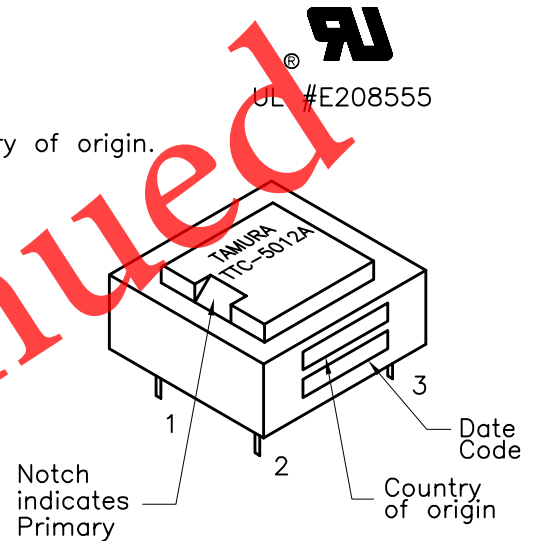
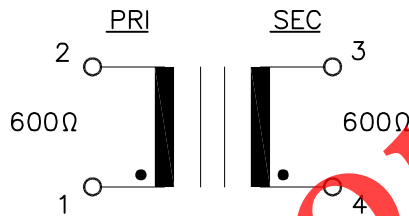
MODEL NUMBER

TTC-5012

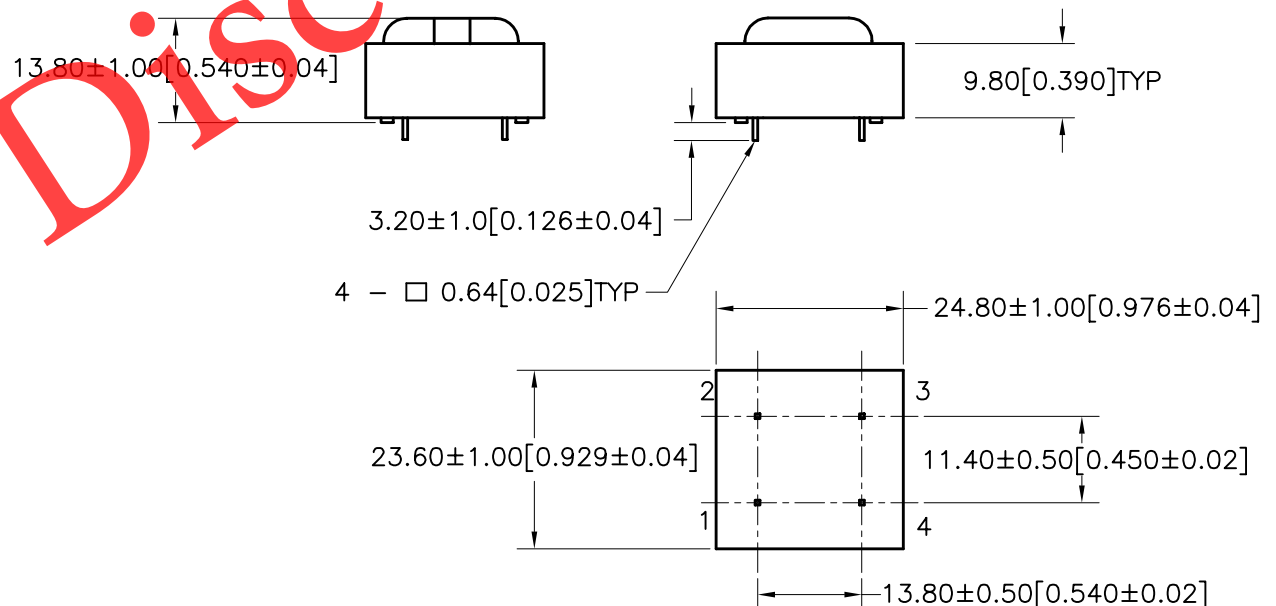
B. Marking; TTC-5012A, TAMURA, date code and country of origin.
"A" designates UL approved family classification.

C. Safety: UL 1950 3rd Edition, UL60950

D. Schematic Diagram



E. Mechanical Specifications



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DWG CONTROL NO.
P-A1-12744
ACAD\TTC\A1127441.DWG

REV
C

MODEM COUPLING
TRANSFORMER

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TTC-5012

MODEL SPECIFICATION

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

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