



ENCAPSULATED TELECOMMUNICATION MODEM COUPLING TRANSFORMER
COMPATIBLE WITH V.90 TECHNOLOGIES

MODEL NUMBER
TTC-5012

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

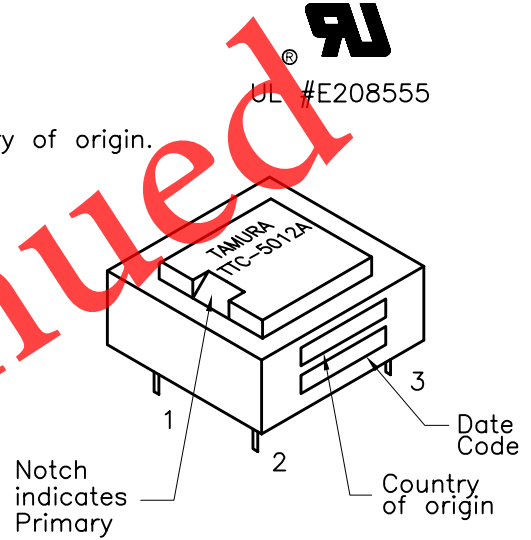
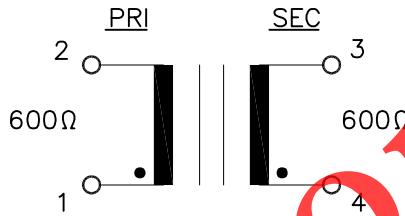
- A. Electrical Specifications (@ 25°C)
- Pri Source Impedance; 600Ω
 - Sec Load Impedance; 600Ω
 - Insertion Loss;
0.75dB MAX, 1KHz, 0dBm
 - Frequency Response (relative to 1 KHz)
±0.50dB 200Hz to 4KHz @ 0dBm
 - Longitudinal Balance;
60dB MIN @ 200Hz to 1KHz
40dB MIN @ 1KHz to 4KHz
 - Return Loss; 20dB MIN @ 1KHz, 0dBm
 - DC Resistance;
(1-2) = 25Ω ±10%
(3-4) = 21Ω ±10%
 - Turns Ratio; (1-2):(4-3) = 1:1.00±2%
 - Dielectric Strength;
3750Vrms 1 second Pri to Sec
 - Total Harmonic Distortion:
-70dB MAX @ 600Hz, -10dBm (-76.0dB TYP)



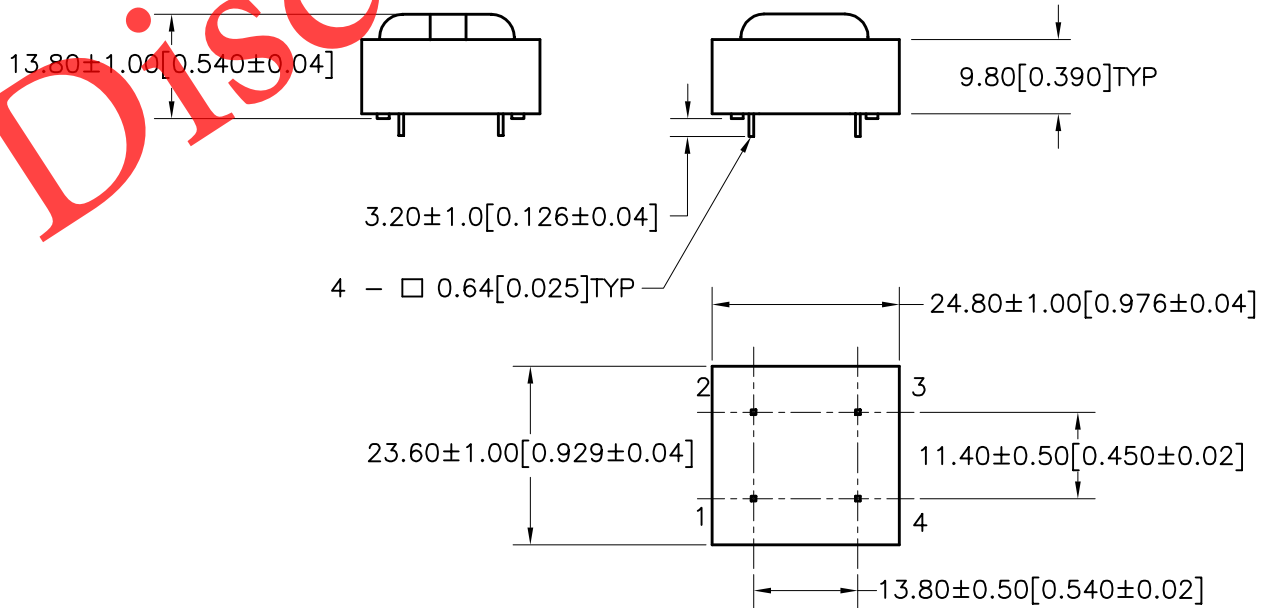
B. Marking; TTC-5012A, TAMURA, date code and country of origin.
"A" designates UL approved family classification.

C. Safety: UL 1950 3rd Edition, UL60950

D. Schematic Diagram



E. Mechanical Specifications



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QUALITY CONTROL: T. CLEM
APPROVED: Y. SEKIGUCHI

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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