TAMURA

REV.	Status
REVISION – 12/10/01 MP	
REVISION A CHANGED DIMENSIONS 03/10/04 MP	
REVISION B REVISED RETURN LOSS – WAS 200Hz TO 4KHz 03/24/05 MP	
REVISION C DEL SAFETY EN60950 ADDED RoHS 04/19/04 MP	
REVISION D ADDED "A" CLASS TO MARKING NOTE. REV'D PIN DIMS 05/16/06 MP	

MODEL NUMBER TTC–5007

ENCAPSULATED TELECOMMUNICATION MODEM COUPLING TRANSFORMER
COMPATIBLE WITH V.90 TECHNOLOGIES

A. Electrical Specifications (@ 25°C)
1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 530Ω
3. Insertion Loss;
   1.0dB 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
7. DC Resistance;
   (1–2)= 46Ω ±15%
   (3–4)= 45Ω ±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:
    –78dB MAX @ 600Hz, –10dBm (–83dB TYP)

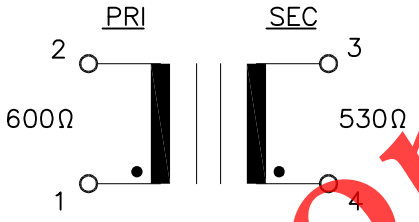
RoHS COMPLIANT

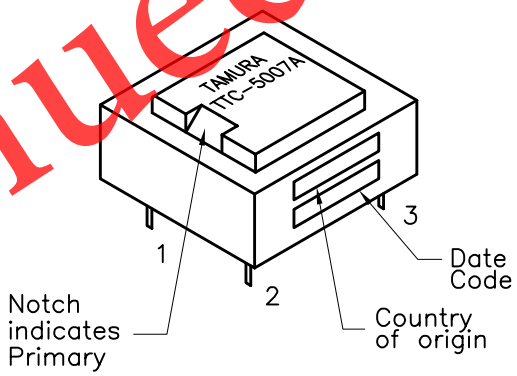
UL #E208555

B. Marking; TTC–5007A, TAMURA, date code and country of origin.
"A" designates UL approved family classification.

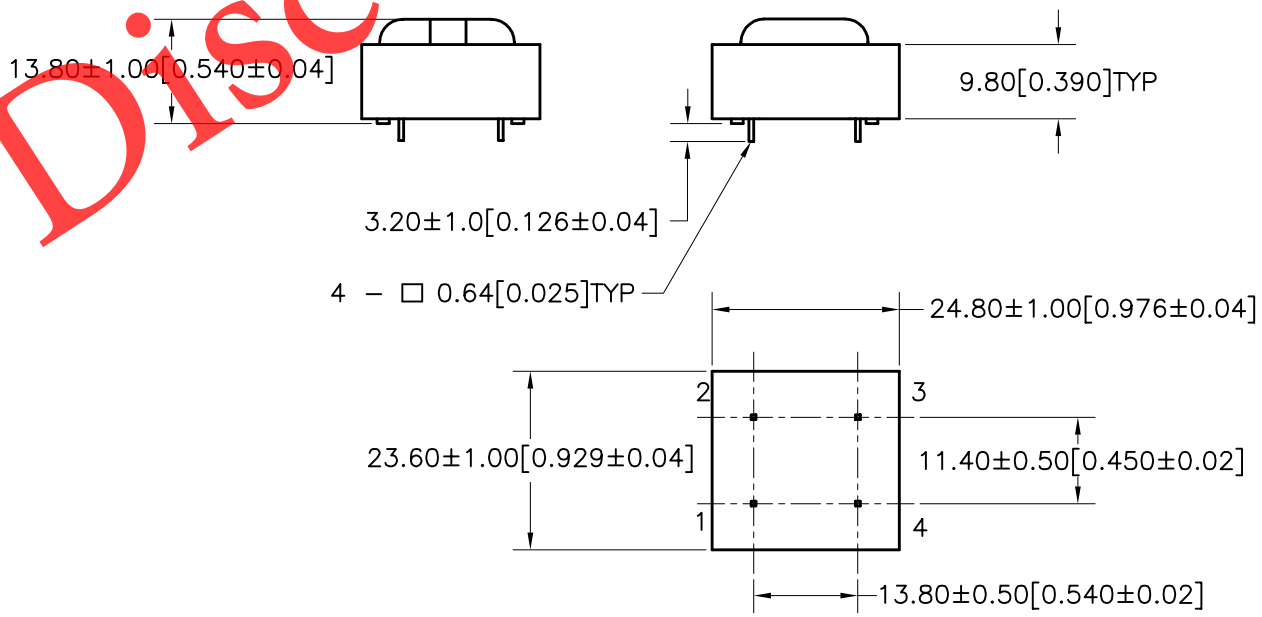
C. Safety; UL1950 3rd Edition, UL60950

D. Schematic Diagram;





E. Mechanical Specifications;



PREPARED BY: K. BRENNAN
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DWG CONTROL NO. P–A1–12726
ACAD\TTC\A1127261.DWG
REV D

MODEM COUPLING TRANSFORMER

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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TTC–5007
MODEL SPECIFICATION

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