TAMURA

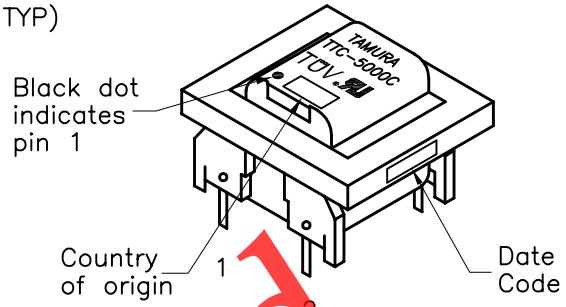
REV. Status
REVISION – 12/10/01 MP
REVISION A CHANGED DIMENSIONS 03/10/04 MP
REVISION B ADDED "C" CLASS TO MARKING NOTE 05/11/06 MP

TELECOMMUNICATION MODEM COUPLING TRANSFORMER COMPATIBLE WITH V.90 TECHNOLOGIES

MODEL NUMBER TTC–5000

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;
   1875Vrms 1 second Pri to Sec
10. Total Harmonic Distortion:
    –86dB MAX @ 600Hz, –10dBm (–92dB TYP)

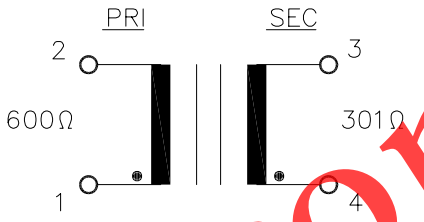


B. Marking; TTC–5000C, TAMURA, date code and country of origin. "C" designates UL approved family classification

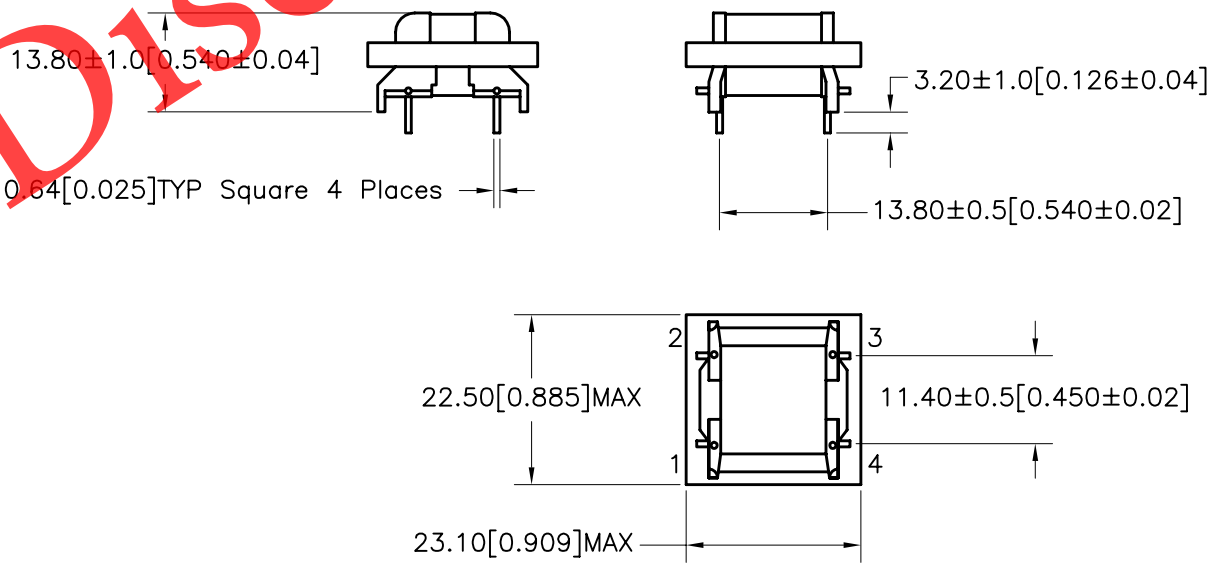
C. Safety: UL 1950 3rd Edition, UL60950, EN60950

UL #E208555

D. Schematic Diagram



E. Mechanical Specifications



PREPARED BY: K. BRENNAN					
ENGINEER: M. PITCHAI	DWG CONTROL NO. P–A1–12311 ACAD\TTC\A1123111.DWG	REV B	MODEM COUPLING TRANSFORMER	TTC–5000 MODEL SPECIFICATION	
QUALITY CONTROL: T. CLEM	CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		TAMURA CORPORATION OF AMERICA 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590–6624 (951) 699–1270 FAX 9516769482	DIM: mm[In]	SCL: 1/1 SH: 1 OF 1
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