

REV. Status
REVISION – 09/28/00 MP
REVISION A REVISED MARKING & TOLERANCE ON PINS 04/14/05 MP
REVISION B TUV REMOVED UPDATED SAFETY 04/13/10 MP
REVISION C REMOVED FCC 05/18/10 MP

TELECOMMUNICATION MODEM COUPLING TRANSFORMER FOR DC Bias ('WET') APPLICATION

A. Electrical Specifications (@ 25°C)

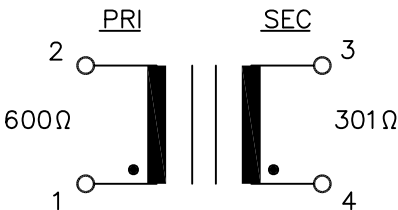
- Pri Source Impedance; 600Ω
- Sec Load Impedance; 301Ω
- Operating Level; -20dBm to +4dBm
- Insertion Loss;
3.75dB MAX @ 1KHz, 0dBm, DC 65mA
- Frequency Response (relative to 1 KHz)
±4.0dB @ 300Hz to 600Hz, 0dBm
±1.0dB @ 600Hz to 3.5KHz, 0dBm
- Longitudinal Balance;
66dB MIN @ 60Hz to 1KHz
46dB MIN @ 1KHz to 4KHz

- DC Resistance;
(1-2)=152Ω ±15%
(3-4)=152Ω ±15%
- Turns Ratio; (1-2):(4-3) = 1:1.00±2%
- Dielectric Strength;
1875Vrms 1 second Pri to Sec

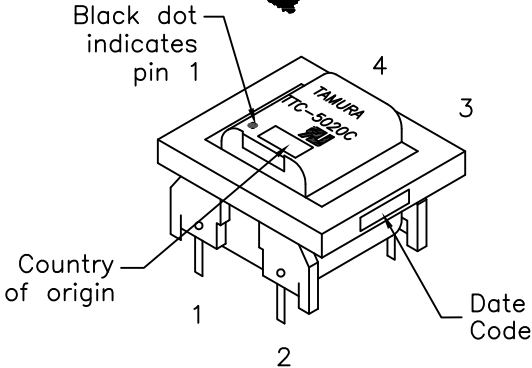
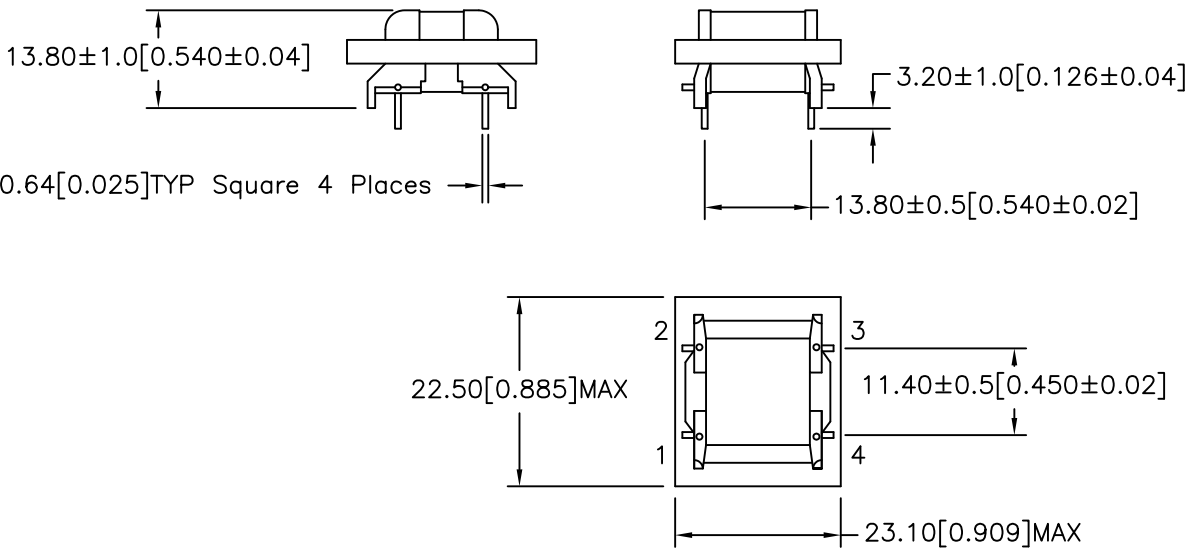
B. Marking; TTC-5020C, TAMURA, date code and country of origin
"C" designates UL approved family classification

C. Safety: UL1950 3rd Edition, UL FILE E208555, CSA C22.2 No.950-95.

D. Schematic Diagram



E. Mechanical Specifications



MODEL NUMBER

TTC-5020

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ENGINEER: M. PITCHAI
SAFETY ENGINEER B. OCONNELL
APPROVED: P. BRUNE

DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P-A1-12509	C	MODEM COUPLING TRANSFORMER	TTC-5020
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