

# TELECOMMUNICATION MODEM COUPLING TRANSFORMER FOR WET APPLICATIONS

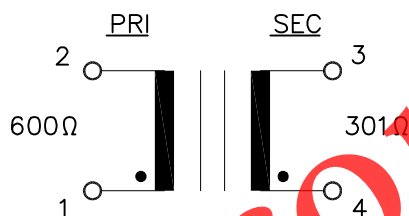
## A. Electrical Specifications (@ 25°C)

1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 301Ω
3. Operating Level; -20dBm to +4dBm
4. Insertion Loss;  
3.75dB MAX @ 1KHz, 0dBm, DC 65mA
5. Frequency Response (relative to 1 KHz)  
±4.0dB @ 300Hz to 600Hz, 0dBm  
±1.0dB @ 600Hz to 3.5KHz, 0dBm
6. Longitudinal Balance;  
66dB MIN @ 60Hz to 1KHz  
46dB MIN @ 1KHz to 4KHz  
(Per FCC Part 68.310 with 4 grounded)
7. DC Resistance;  
(1-2)=152Ω ±15%  
(3-4)=152Ω ±15%
8. Turns Ratio; (1-2):(4-3) = 1:1.00±2%
9. Dielectric Strength;  
3750Vrms 1 second Pri to Sec

B. Marking; TTC-5010A, TAMURA, date code and country of origin.  
"A" designates UL approved family classification.

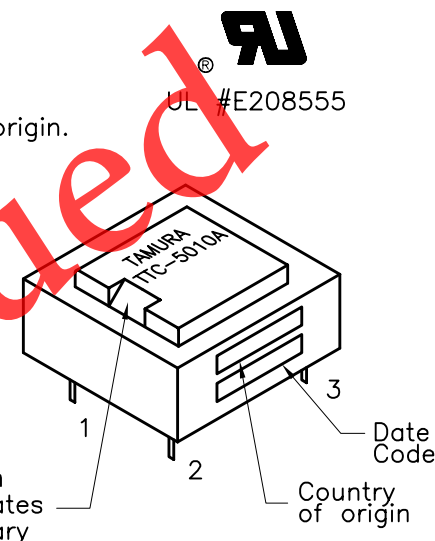
C. Safety: UL1950 3rd Edition, UL60950

D. Schematic Diagram

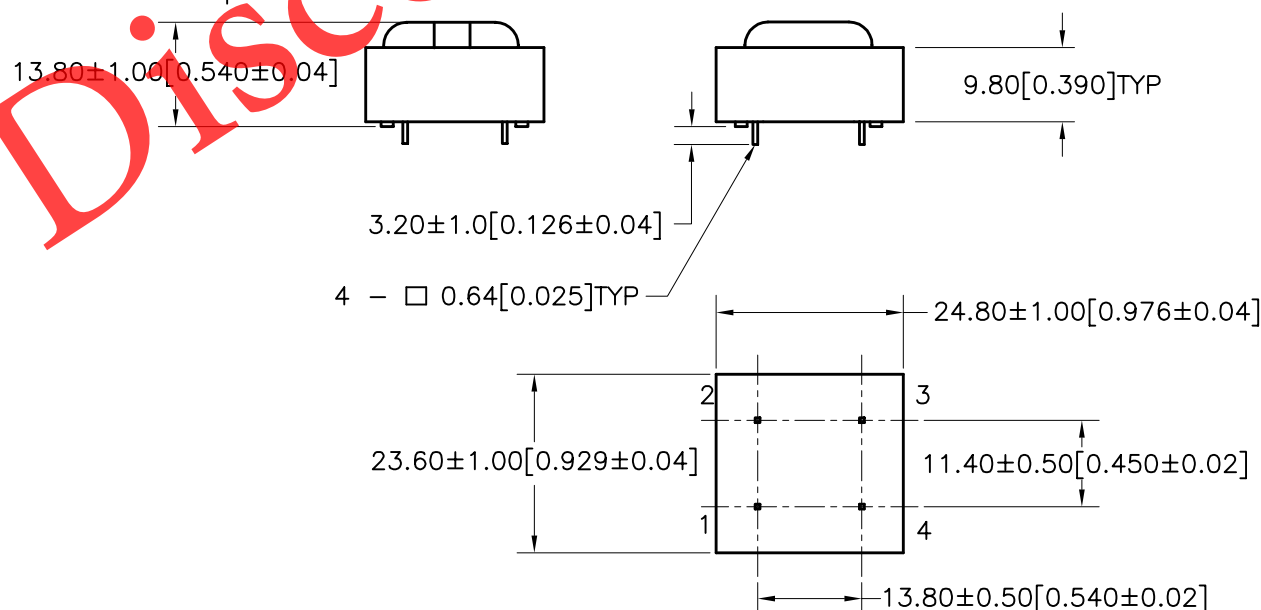


MODEL NUMBER

TTC-5010



## E. Mechanical Specifications



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APPROVED:

Y. SEKIGUCHI

DWG CONTROL NO.  
P-A1-12313  
ACAD\TTC\A1123131.DWG

REV  
B

MODEM COUPLING  
TRANSFORMER

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**TTC-5010**

MODEL SPECIFICATION

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

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