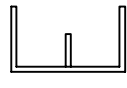
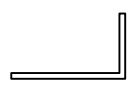
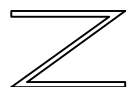
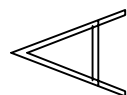
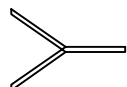


## REV. Status

REVISION -  
01/19/00 MPPRELIMINARY  
CHANGED TO  
PRELIMINARY  
CHANGED DESIGN  
TO POTTED.  
02/22/00 MPPRELIMINARY 1  
CHANGED A.5,  
A.6, AND  
POLARITY  
DOTS IN D.  
04/12/00 MP

PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

## TELECOMMUNICATION MODEM COUPLING TRANSFORMER FOR WET APPLICATION

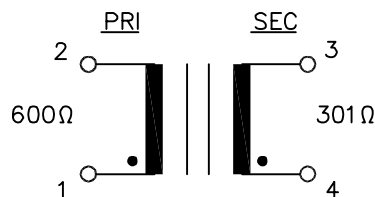
## A. Electrical Specifications (@ 25°C)

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;  
1875Vrms 1 second Pri to Sec

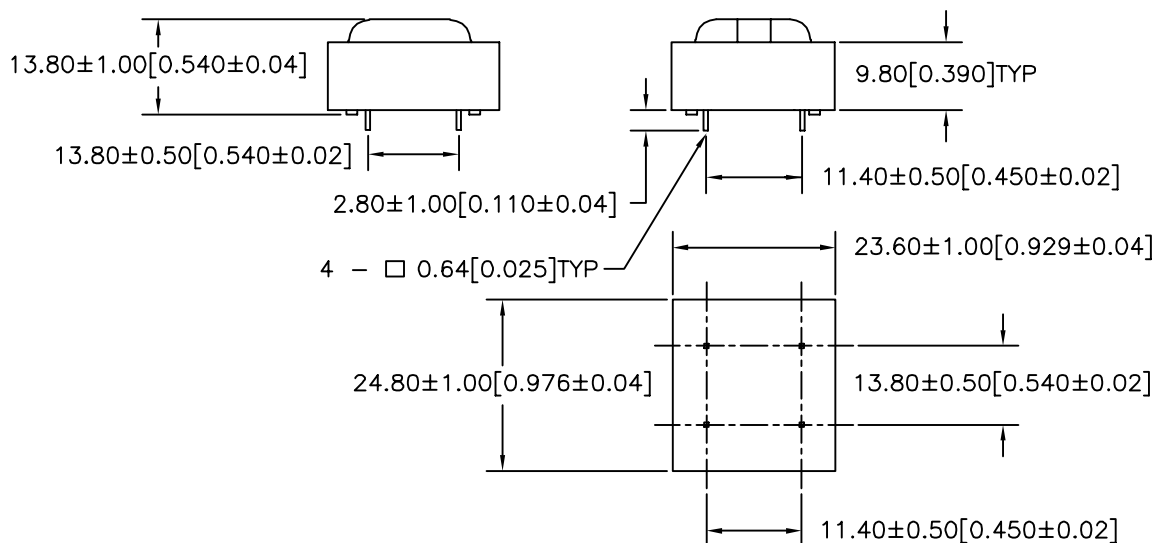
## B. Marking; TTC-5010, TAMURA, date code and country of origin

## C. Safety: Complies with CSA C22.2 No. 950-95, UL 1950 Third Edition

## D. Schematic Diagram



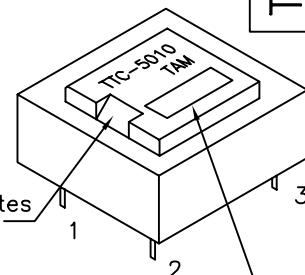
## E. Mechanical Specifications

Notch indicates  
Primary

Date Code

MODEL NUMBER

TTC-5010



ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.

P-A1-12313

ACAD\TTC\A1123131.DWG

REV

PR1

MODEM COUPLING  
TRANSFORMER

TAMURA CORPORATION OF AMERICA

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(909) 699-1270 FAX 9096769482

TTC-5010

MODEL SPECIFICATION

DIM: mm(In) SCL: 1/1 SH: 1 OF 1

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