

REV. Status

REVISION —  
12/14/01 MP

## TELECOMMUNICATION SMD MODEM TRANSFORMER COMPATIBLE WITH V.90 TECHNOLOGIES

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

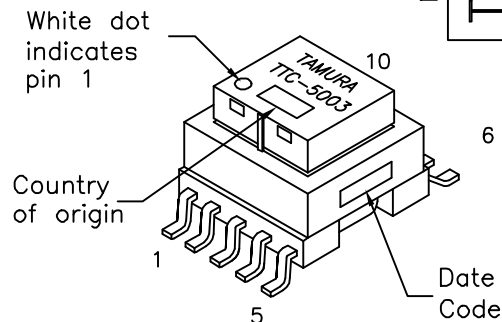
1. Primary Impedance; 600Ω
2. Secondary Impedance; 320Ω
3. Insertion Loss: 3.20dB MAX @ 1KHz, 0dBm
4. Frequency Response; ±0.25dB @ 200Hz to 4KHz, 0dBm
5. Longitudinal Balance;  
60dB MIN @ 200Hz to 4KHz, 0dBm
6. Return Loss; 18dB MIN @ 200Hz to 4KHz, 0dBm
7. DC Resistance;  
(1-4):115Ω ±15%  
(7-10):145Ω ±15%
8. Turns Ratio; (1-4):(7-10)=1:1.00±2%
9. Total Harmonic Distortion;  
-88dB MAX @ 600Hz, -10dBm (-92dB TYP)
10. Dielectric Strength; 1875Vrms 1 second, Pri-Sec



UL# E208555

MODEL NUMBER

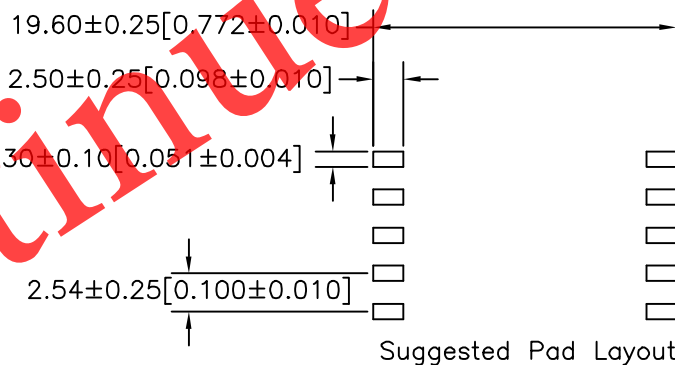
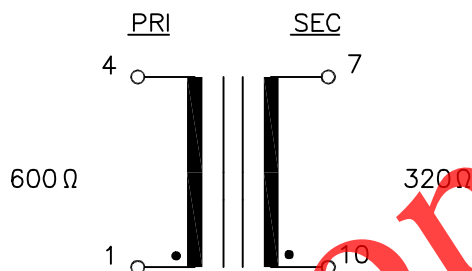
TTC-5003



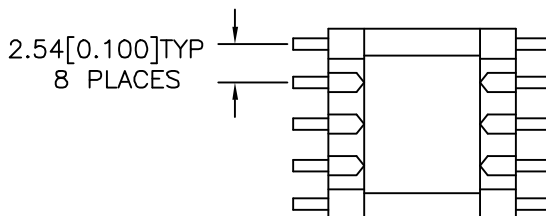
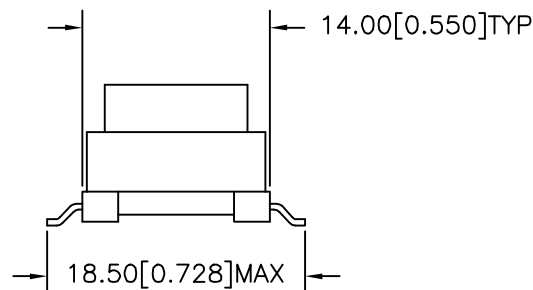
## B. Marking; TTC-5003, TAMURA, date code and country of origin

## C. Safety; UL1950 3rd Edition, UL60950

## D. Schematic;



## E. Mechanical Specifications;



PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.  
P-A1-12562  
ACAD\TTC\A1125621.DWGREV  
—TELECOMMUNICATION V.90  
MODEM TRANSFORMERTAMURA CORPORATION OF AMERICA  
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(909) 699-1270 FAX 9096769482

TTC-5003

MODEL SPECIFICATION

DIM: mm(in) SCL: 2/1 SH: 1 OF 1

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.