

REV. Status

PRELIMINARY  
01/21/00 MPADSL transformer designed for use with Motorola ADSL IC chip MC03AX1456RT  
Rev. 1.3, on the CPE side

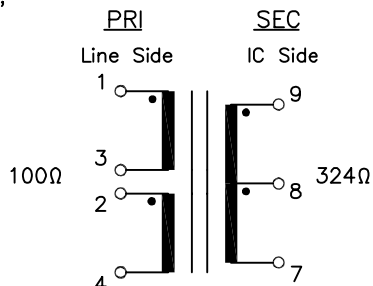
## A. Electrical Specifications (@ 25°C)

1. Primary (Line side) Impedance; 100 $\Omega$
2. Secondary (IC side) Impedance; 324 $\Omega$
3. Longitudinal Balance; 40dBm MIN @ 20KHz TO 1.1MHz, 0dBm  
(Per ITU method pin 7 grounded)
4. Primary Open Circuit Inductance; 3.96mH $\pm$ 5% @ 10KHz, 0.1Vrms  
Measured (1-4) with 2 and 3 shorted
5. Leakage Inductance; 18 $\mu$ H MAX @ 100KHz, 0.1Vrms  
Measured (1-4) with 2 & 3, and 7 & 9 shorted
6. Interwinding Capacitance; 40pF MAX @ 10KHz, 1.0Vrms  
Measured (1-9) with 2 & 3 shorted
7. DC Resistance; (1-3)=2.04 $\Omega$  $\pm$ 10%  
(2-4)=2.04 $\Omega$  $\pm$ 10%  
(7-9)=7.40 $\Omega$  $\pm$ 10%
8. Turns Ratio; (1-3):(2-4)=1:1.00 $\pm$ 2%  
(1-4):(7-9)=1:1.80 $\pm$ 2%  
2 & 3 shorted
9. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

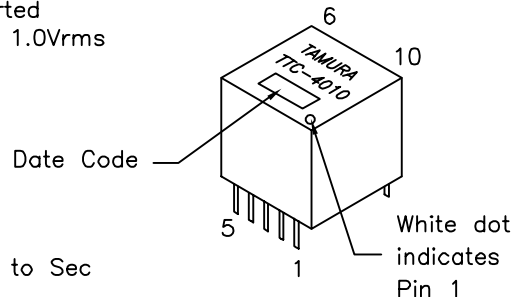
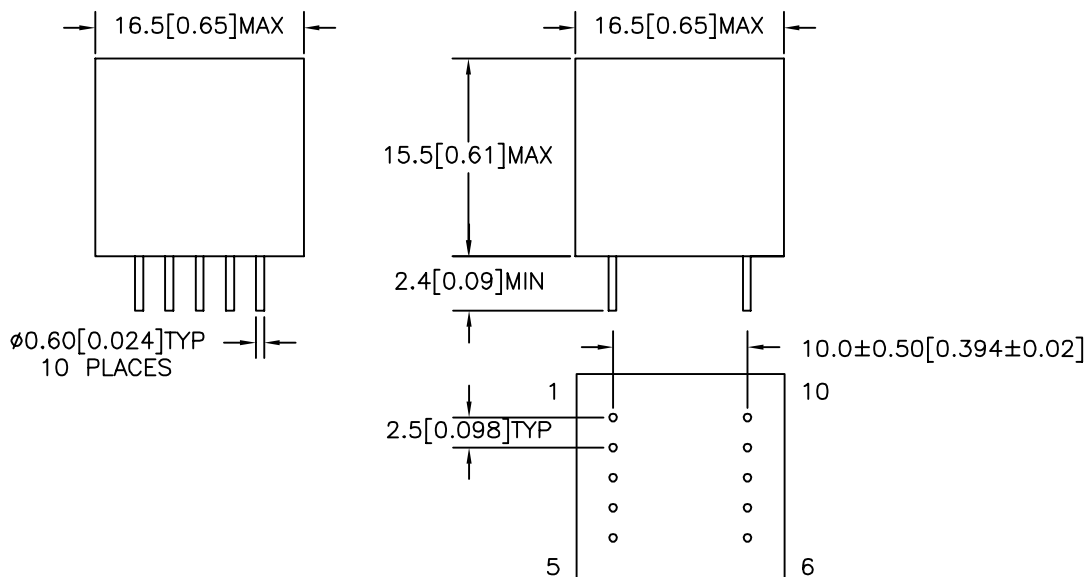
## B. Marking; TTC-4010, TAMURA, date code and country of origin

## C. Safety; Complies with UL1950 3rd Edition and IEC950

## D. Schematic;



## E. Mechanical Specifications;



MODEL NUMBER

TTC-4010

PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.  
P-A1-12317  
ACAD\TTC\A1123171.DWGREV  
PREADSL  
TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(909) 699-1270 FAX 9096769482

TTC-4010

MODEL SPECIFICATION

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

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