

REV. Status

PRELIMINARY  
01/21/00 MPPRELIMINARY 1  
CHANGED A.7,  
A.8, MARKING,  
SAFETY, AND  
MECHANICAL  
SPECIFICATION.  
07/03/01 MPADSL transformer designed for use with Motorola ADSL IC chip MC03AX1456RT  
Rev. 1.3, on the CPE side

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

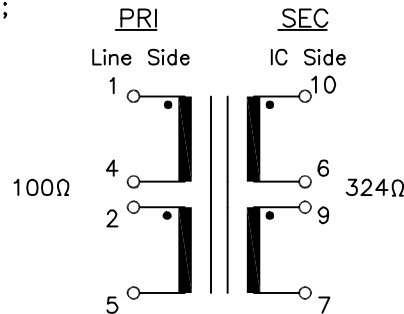
1. Primary (Line side) Impedance; 100 $\Omega$
2. Secondary (IC side) Impedance; 324 $\Omega$
3. Longitudinal Balance; 35dBm MIN @ 20KHz TO 1.1MHz, 0dBm  
(Per ITU method pin 6 grounded)
4. Primary Open Circuit Inductance; 3.96mH $\pm$ 5% @ 10KHz, 0.1Vrms  
Measured (1-5) with 2 and 4 shorted
5. Leakage Inductance; 20 $\mu$ H MAX @ 100KHz, 0.1Vrms  
Measured (1-5) with 2 & 4, 6 & 9, and 7 & 10 shorted
6. Interwinding Capacitance; 60pF MAX @ 10KHz, 1.0Vrms  
Measured (1-9) with 2 & 4, and 7 & 10 shorted
7. DC Resistance; (1-4)=2.20 $\Omega$  MAX  
(2-5)=2.20 $\Omega$  MAX  
(7-9)=4.85 $\Omega$  MAX  
(6-10)=4.55 MAX
8. Turns Ratio; (1-5):(7-10)=1:1.80 $\pm$ 2%  
2 & 4, 6 & 9 shorted

9. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

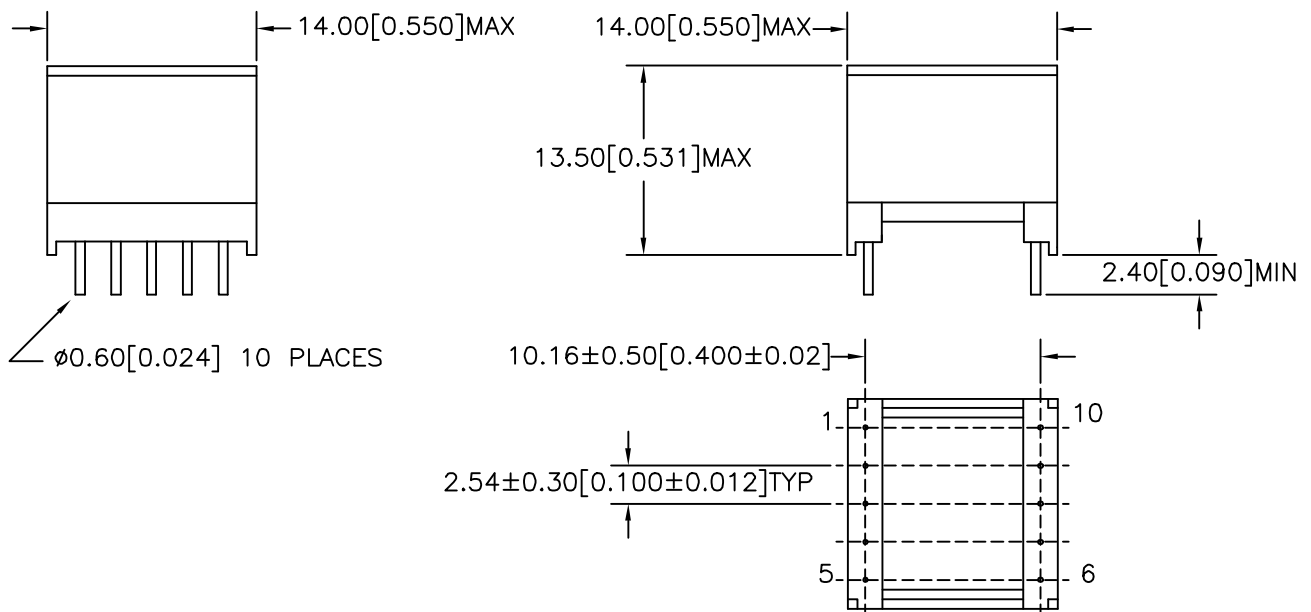
B. Marking; TTC-4006B, TAMURA, date code and country of origin  
"B" designates UL approved family classification.

C. Safety; UL1950 3rd Edition, UL60950

D. Schematic;

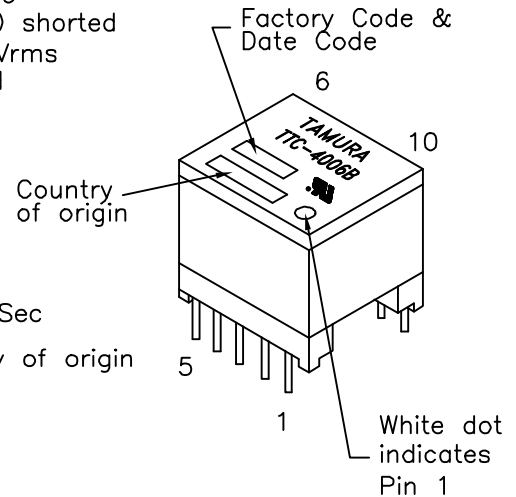


E. Mechanical Specifications;


  
 UL #E208555

MODEL NUMBER

TTC-4006



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TTC-4006

MODEL SPECIFICATION

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

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