

REV. Status  
 PRELIMINARY  
 02/03/00 MP  
 PRELIMINARY 1  
 CHANGED TO  
 OPEN TYPE.  
 06/30/00 MP

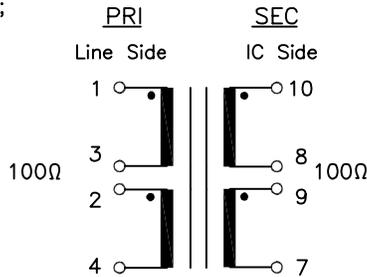
ADSL transformer designed for use with Analog Device ADSL IC chip AD20MSP910

- A. Electrical Specifications (@ 25°C)
1. Primary (Line side) Impedance; 100Ω
  2. Secondary (IC side) Impedance; 100Ω
  3. Frequency Response; ±1.1dB @ 30KHz to 1.1MHz, 0dBm
  4. Insertion Loss; 0.5dB MAX @ 100KHz, 0dBm
  5. Longitudinal Balance; 40dBm MIN @ 1KHz TO 1MHz, 0dBm (Per ITU method pin 7 grounded)
  6. Primary Open Circuit Inductance; 5.0mH ±10% @ 10KHz, 1.0Vrms Measured (1-4) with 2 and 3 shorted
  7. Leakage Inductance; 16μH MAX @ 100KHz, 0.1Vrms Measured (1-4) with 2 & 3, 8 & 9 and 7 & 10 shorted
  8. Total Harmonic Distortion; -80dB MAX @ 30KHz
  9. DC Resistance; (1-4)=3.0Ω MAX, with 2 & 3 shorted (7-10)=3.0Ω MAX, with 8 & 9 shorted
  10. Turns Ratio; (1-4):(7-10)=1:1.00±2% 2 & 3, and 8 & 9 shorted
  11. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

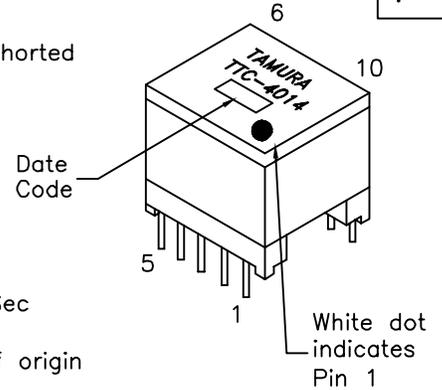
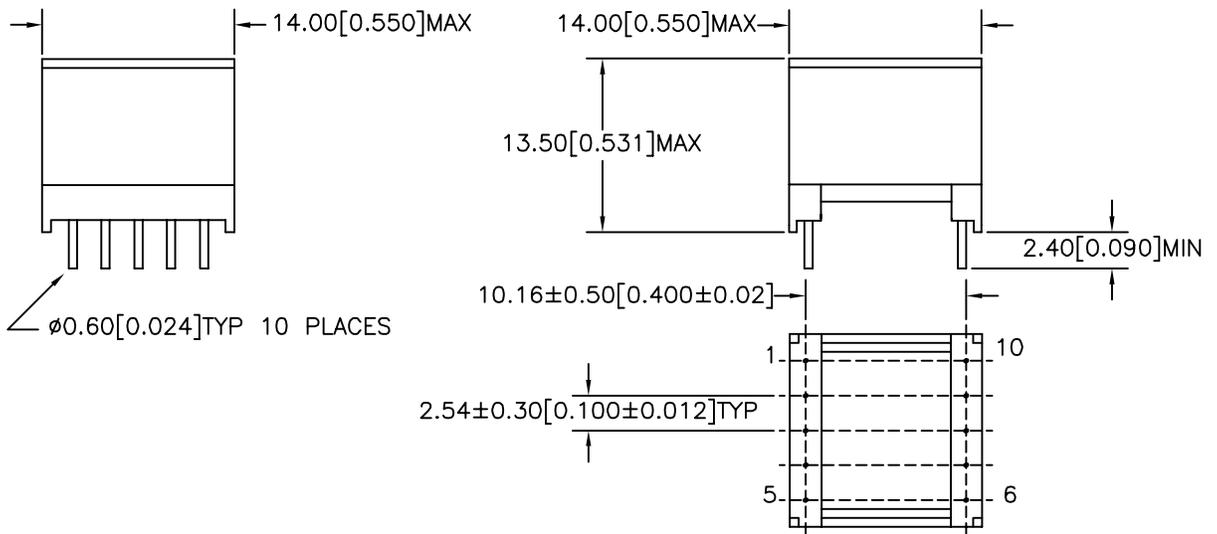
B. Marking; TTC-4014, TAMURA, date code and country of origin

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

D. Schematic;



E. Mechanical Specifications;



Y  
 R  
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PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.  
 P-A1-12350  
 ACAD\TTC\A1123501.DWG

REV  
 PR1

ADSL  
 TRANSFORMER

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

**TTC-4014**

MODEL SPECIFICATION

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

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