

REV. Status

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

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

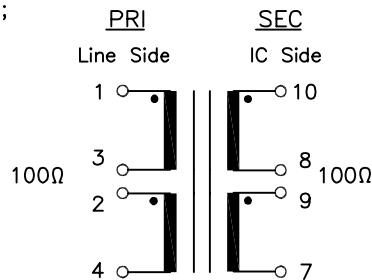
A. Electrical Specifications (@ 25°C)

1. Primary (Line side) Impedance; 100 Ω
2. Secondary (IC side) Impedance; 100 Ω
3. Frequency Response; $\pm 1.1\text{dB}$ @ 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 $\pm 10\%$ @ 10KHz, 1.0Vrms
Measured (1-4) with 2 and 3 shorted
7. Leakage Inductance; 16 μH 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)=3.0 Ω MAX, with 2 & 3 shorted
(7-10)=3.0 Ω MAX, with 8 & 9 shorted
10. Turns Ratio; (1-4):(7-10)=1:1.00 $\pm 2\%$
2 & 3, and 8 & 9 shorted
11. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

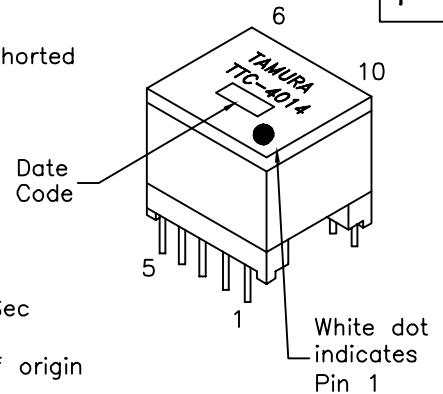
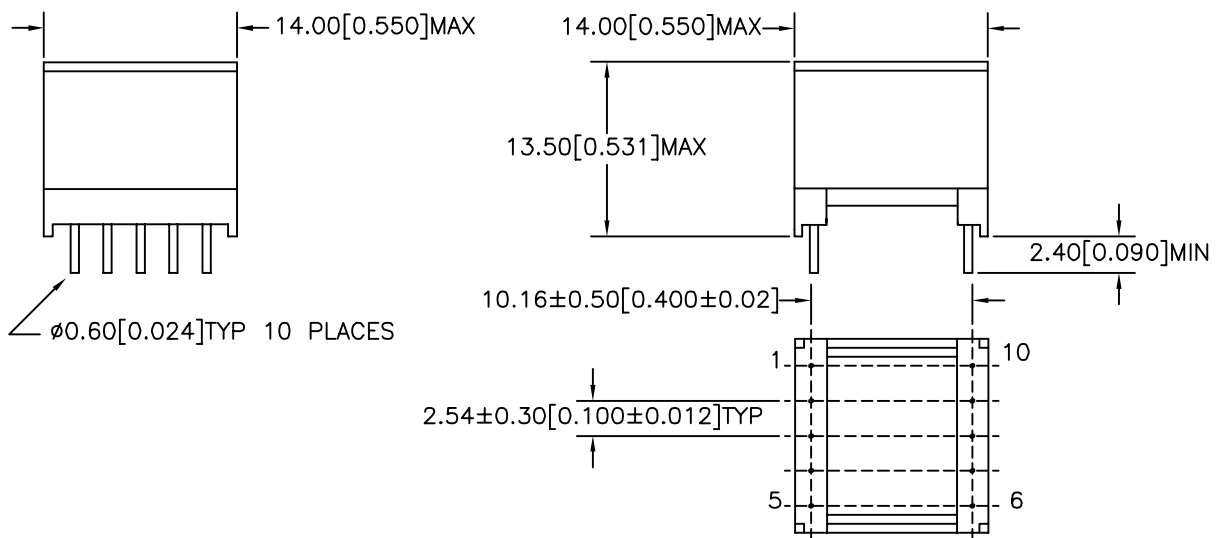
B. Marking; TTC-4014, TAMURA, date code and country of origin

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

D. Schematic;



E. Mechanical Specifications;



MODEL NUMBER

TTC-4014

PREPARED BY:

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ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.
P-A1-12350
ACAD\TTC\A1123501.DWGREV
PR1ADSL
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TTC-4014

MODEL SPECIFICATION

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

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