

REV. Status

PRELIMINARY
10/12/00 MP

ADSL transformer designed for use with Globespan ADSL IC chip EL1501 CPE side

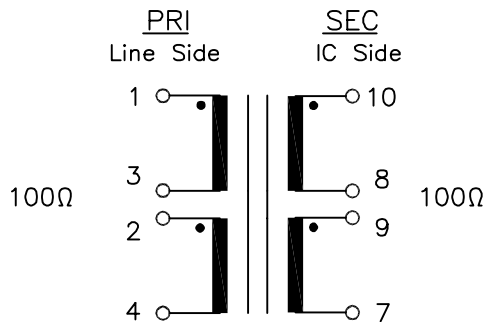
A. Electrical Specifications (@ 25°C)

1. Primary (Line side) Impedance; 100 Ω
2. Secondary (IC side) Impedance; 100 Ω
3. Frequency Response; $\pm 3.0\text{dB}$ @ 30KHz to 2.0MHz, 0dBm
4. Insertion Loss; 0.5dB MAX @ 772KHz, 0dBm
5. Longitudinal Balance; 55dB MIN @ 20KHz to 1.0MHz, 0dBm
(Per ITU method pin 6 grounded)
6. Primary Open Circuit Inductance; 407.5 μH $\pm 5\%$ @ 10KHz, 0.1Vrms
Measured (1-4) with 2 and 3 shorted
7. Leakage Inductance; 10 μH MAX @ 100KHz, 0.1Vrms
Measured (1-4) with 2 & 3, 8 & 9 and 7 & 10 shorted
8. Interwinding Capacitance: 25pF MAX @ 10KHz, 1.0Vrms
Measured (1-10) with 2 & 3, and 8 & 9 shorted
9. Total Harmonic Distortion; -85dB MAX @ 100KHz
10. DC Resistance; (1-4)=1.4 Ω MAX, with 2 & 3 shorted
(7-10)=1.2 Ω MAX, with 8 & 9 shorted
11. Turns Ratio; (1-4):(7-10)=1:1.00 $\pm 2\%$
2 & 3, and 8 & 9 shorted
12. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

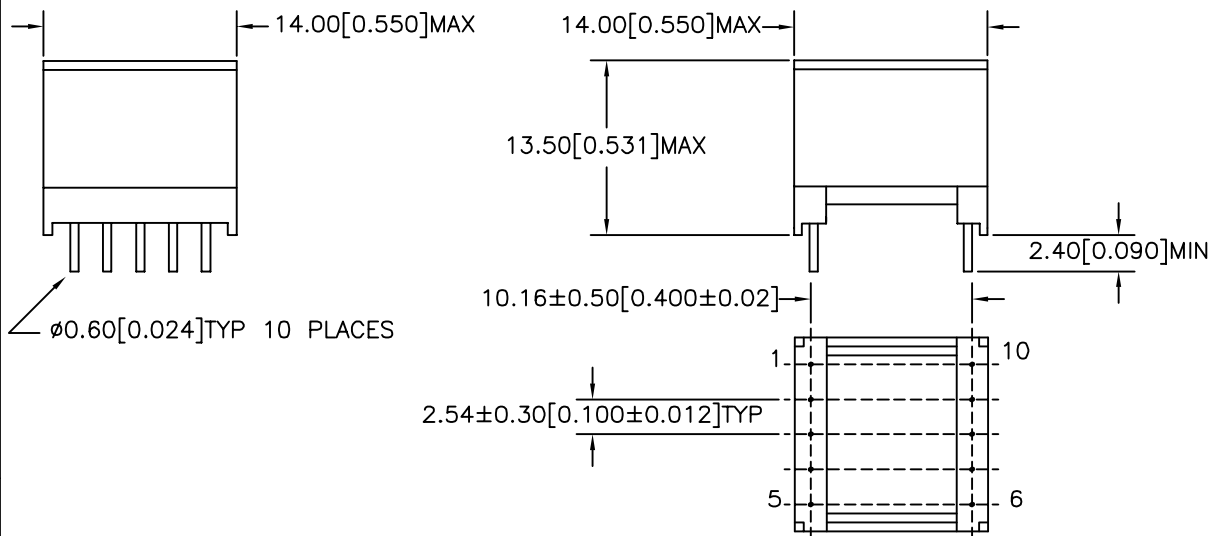
B. Marking; TTC-4064, TAMURA, date code and country of origin

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

D. Schematic;



E. Mechanical Specifications;



PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.

P-A1-12615

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REV

PRE

ADSL
TRANSFORMER**TAMURA CORPORATION OF AMERICA**43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482**TTC-4064**

MODEL SPECIFICATION

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

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MODEL NUMBER

TTC-4064