

Excellent Integrated System Limited

Stocking Distributor

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[Tamura](#)

[TTC-4054](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

REV. Status

PRELIMINARY
04/26/00 JC

PRELIMINARY 1
DEL. INSERTION LOSS
08/11/00 LL

ADSL transformer designed for use with Texas Instrument ADSL IC chip sets
TNETD2000R, TNETD3000R, TNETD300D, TNETD4000R (CPE side)

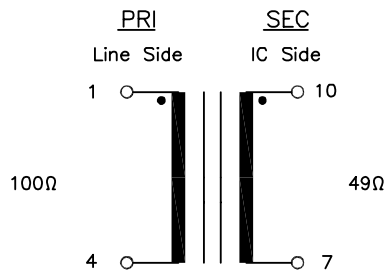
A. Electrical Specifications (@ 25°C)

1. Primary (Line side) Impedance; 100Ω
2. Secondary (IC side) Impedance; 49Ω
3. Frequency Response; ±0.5dB MAX @ 100KHz to 1.1MHz 0dBm
4. Longitudinal Balance; 50dBm MIN @ 1.1MHz
(Per ITU method pin 10 grounded)
5. Primary Open Circuit Inductance; 1.5mH±5% @ 100KHz, 0.1Vrms
Measured (1-4)
6. Leakage Inductance; 18.0μH MAX @ 100KHz, 0.01Vrms
Measured (1-4) with 7 & 10 shorted
7. Interwinding Capacitance; 35pF MAX
Measured (1-10)
8. DC Resistance;
4.0Ω MAX measured (1-4)
0.7Ω MAX measured (10-7)
9. Turns Ratio; (1-4):(7-10)=1.42:1±2%
10. Dielectric Strength; 1875V, 1 second @ Pri to Sec
11. Total Harmonic Distortion; -80dB MAX @ 100KHz, 15Vpp
Measured (1-4)

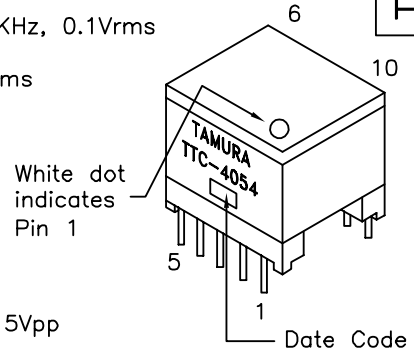
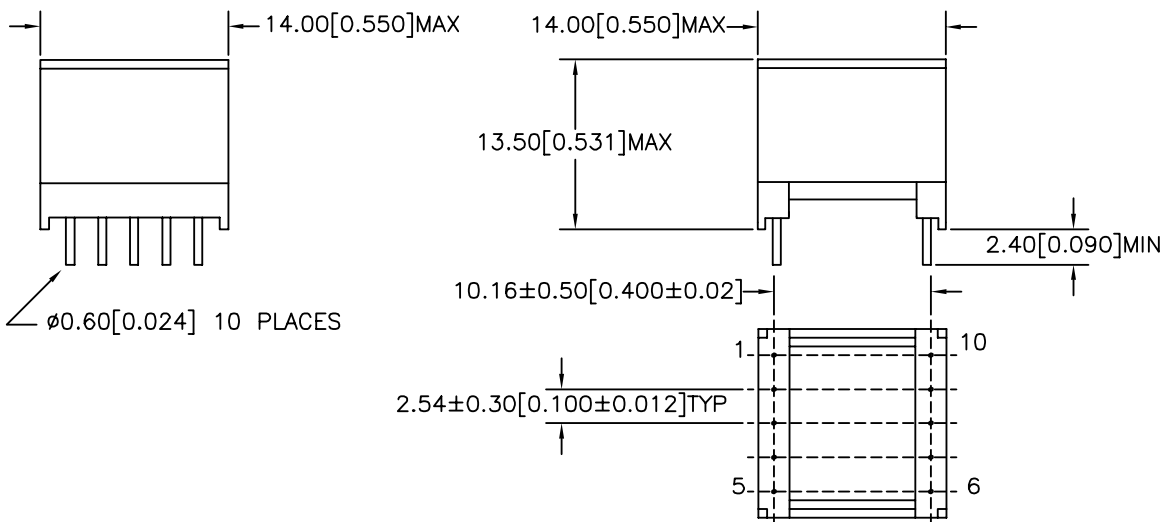
B. Marking; TTC-4054, TAMURA, date code and country of origin

C. Safety: Complies with UL1950

D. Schematic



E. Mechanical Specifications



MODEL NUMBER
TTC-4054

Y
R
A
Z
M
L
E
R
R

PREPARED BY:

D. Rund

ENGINEER:

L. Le

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.
P-A1-12479
ACAD\TTC\A1124791.DWG

REV
PR1

ADSL THROUGH HOLE
TRANSFORMER

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

TTC-4054

MODEL SPECIFICATION

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

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