

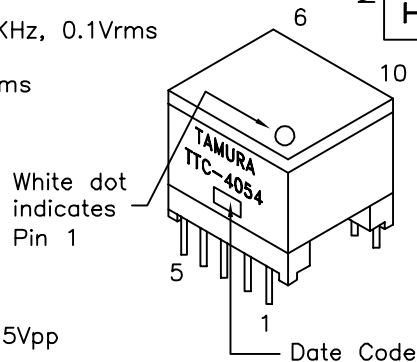
REV. Status
 PRELIMINARY
 04/26/00 JC

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

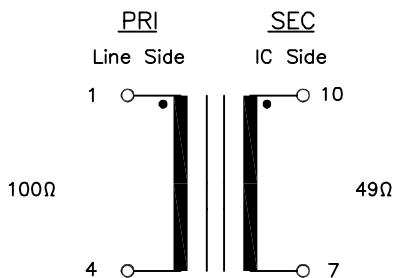
ADSL transformer designed for use with Texas Instrument ADSL IC chip sets
 TNETD2000R, TNETD3000R, TNETD300D, TNETD4000R (CPE side)

MODEL NUMBER
TTC-4054

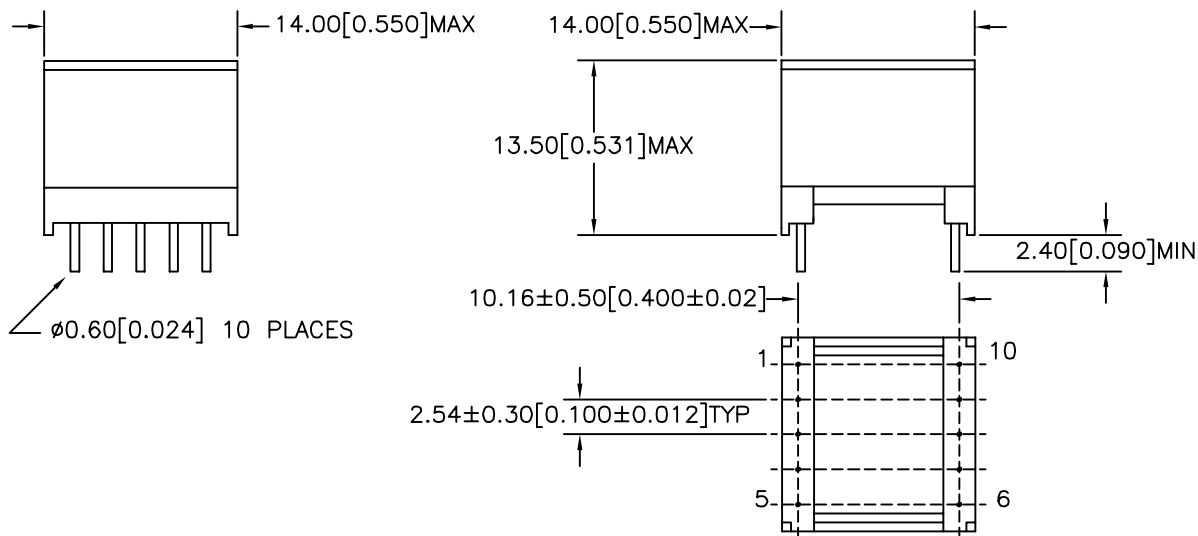
- A. Electrical Specifications (@ 25° C)
1. Primary (Line side) Impedance; 100Ω
 2. Secondary (IC side) Impedance; 49Ω
 3. Frequency Response; ±0.5dB MAX @ 100KHz to 1.1MHz 0dBm
 4. Longitudinal Balance; 50dBm MIN @ 1.1MHz
(Per ITU method pin 10 grounded)
 5. Primary Open Circuit Inductance; 1.5mH±5% @ 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



PREPARED BY:

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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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