



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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REV. Status
PRELIMINARY
04/26/00 JC

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

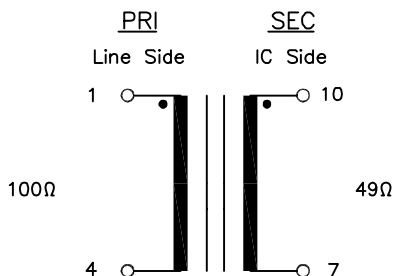
ADSL transformer designed for use with Texas Instrument ADSL IC chip sets
TNETD2000R, TNETD3000R, TNETD300D, TNETD4000R (CPE side)

- 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)

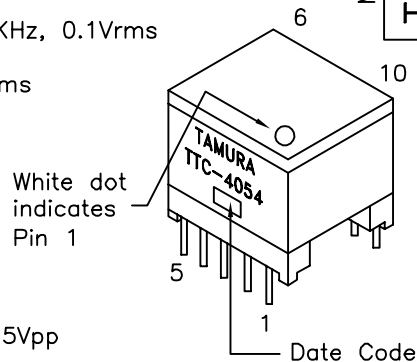
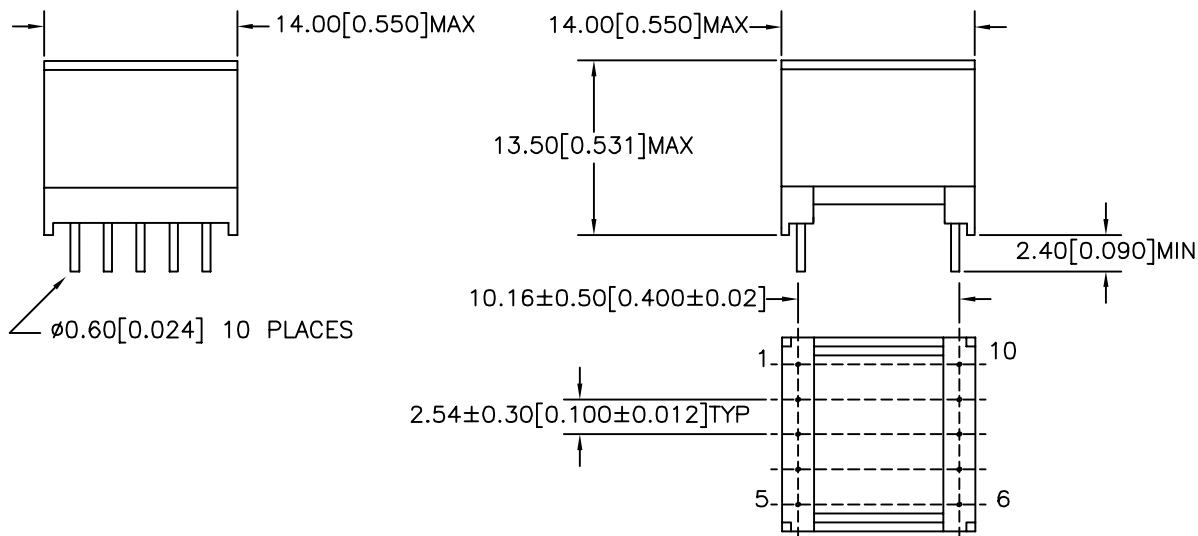
B. Marking; TTC-4054, TAMURA, date code and country of origin

C. Safety: Complies with UL1950

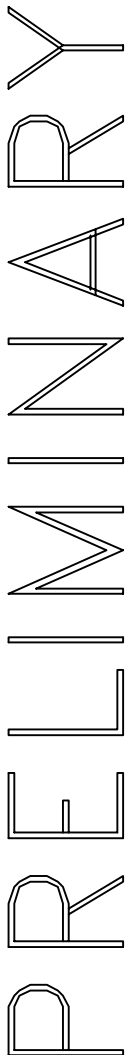
D. Schematic



E. Mechanical Specifications



MODEL NUMBER
TTC-4054



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

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TTC-4054

MODEL SPECIFICATION

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

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