

REV. Status

REVISION -
04/17/01 MP

ADSL transformer designed for use with Alcatel IC chip MTK-20140 (CO Side)

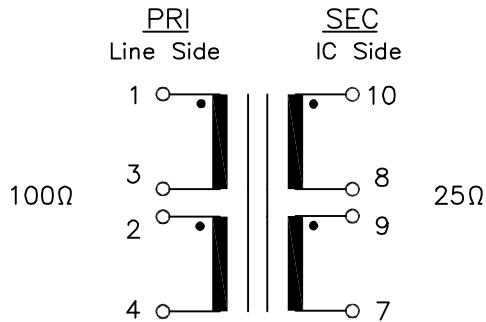
A. Electrical Specifications (@ 25°C)

1. Primary (Line side) Impedance; 100Ω
2. Secondary (IC side) Impedance; 25Ω
3. Frequency Response; ±0.5dB @ 100KHz to 1.1MHz, 0dBm
4. Insertion Loss; 1.0dB MAX @ 100KHz and 1.1MHz, 0dBm
5. Longitudinal Balance; 40dB MIN @ 30KHz to 1.1MHz, 0dBm
6. Primary Open Circuit Inductance; 410μH ±10% @ 10KHz, 0.1Vrms
Measured (1-4) with 2 and 3 shorted
7. Leakage Inductance; 6.5μH MAX @ 300KHz, 0.1Vrms
Measured (1-4) with 2 & 3, 8 & 9 and 7 & 10 shorted
8. Total Harmonic Distortion; -72dB MAX @ 20KHz
9. DC Resistance; (1-4)=0.6Ω MAX, with 2 & 3 shorted
(7-10)=0.3Ω MAX, with 8 & 9 shorted
10. Turns Ratio; (7-10):(1-4)=1:2.00±2%
2 & 3, and 8 & 9 shorted
11. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

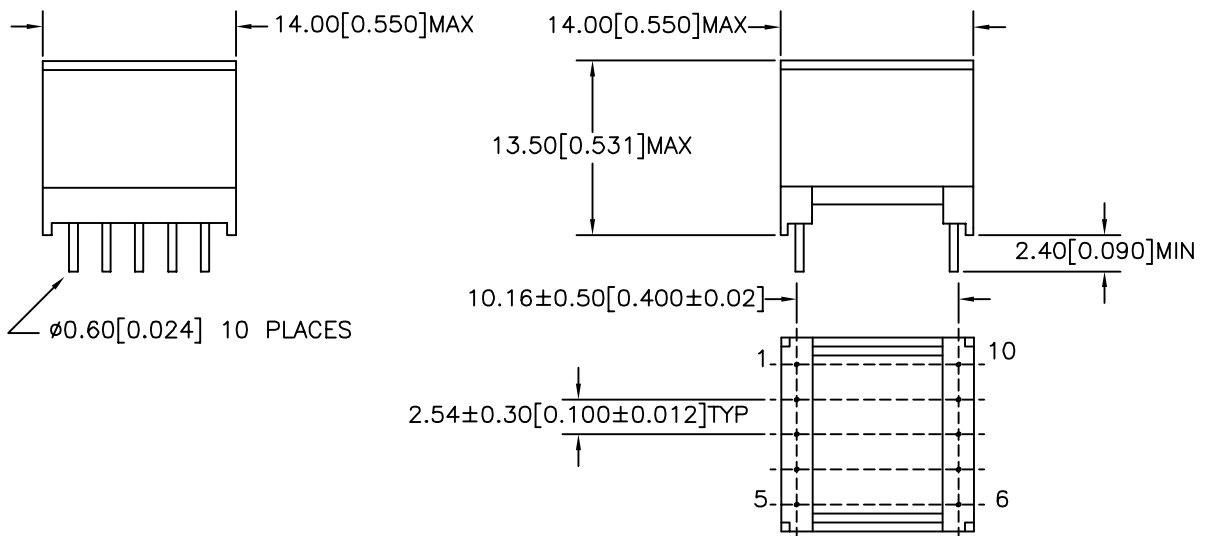
B. Marking; TTC-433, TAMURA, date code and country of origin

C. Safety; UL1950 3rd Edition, UL60950

D. Schematic;



E. Mechanical Specifications;



UL# E208555

Factory Code
& Date Code
6Country
of originWhite dot
indicates
Pin 1

MODEL NUMBER

TTC-433

PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.

P-A1-12564

ACAD\TTC\A1125641.DWG

REV

-

ADSL

TRANSFORMER

TTC-433

MODEL SPECIFICATION

TAMURA CORPORATION OF AMERICA

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482

DIM: mm(In)

SCL: 2/1

SH: 1 OF 1

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.