

REV. Status

PRELIMINARY
04/24/00 LLPRELIMINARY 1
MOVED MARKING
ON ISO DWG.
05/11/00 LLPRELIMINARY 2
CHANGED DESC.
10/17/00 LL

ADSL transformer designed for use with Itex IC chip Apollo II (CPE Side)

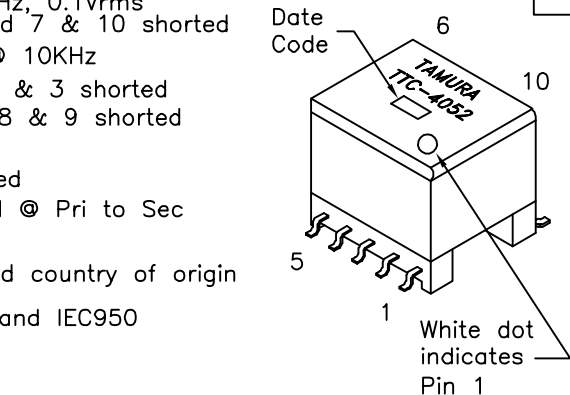
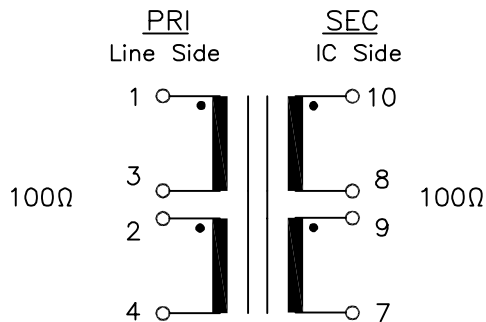
A. Electrical Specifications (@ 25°C)

1. Primary (Line side) Impedance; 100 Ω
2. Secondary (IC side) Impedance; 100 Ω
3. Frequency Response; $\pm 0.5\text{dB}$ @ 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; $440\mu\text{H} \pm 10\%$ @ 10KHz, 0.1Vrms
Measured (1-4) with 2 and 3 shorted
7. Leakage Inductance; $10\mu\text{H}$ MAX @ 300KHz, 0.1Vrms
Measured (1-4) with 2 & 3, 8 & 9 and 7 & 10 shorted
8. Total Harmonic Distortion; -72dB MAX @ 10KHz
9. DC Resistance; (1-4)=1.0 Ω MAX, with 2 & 3 shorted
(7-10)=1.0 Ω MAX, with 8 & 9 shorted
10. Turns Ratio; (1-4):(7-10)=1:1.00 $\pm 2\%$
2 & 3, and 8 & 9 shorted
11. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

B. Marking; TTC-4052, TAMURA, date code and country of origin

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

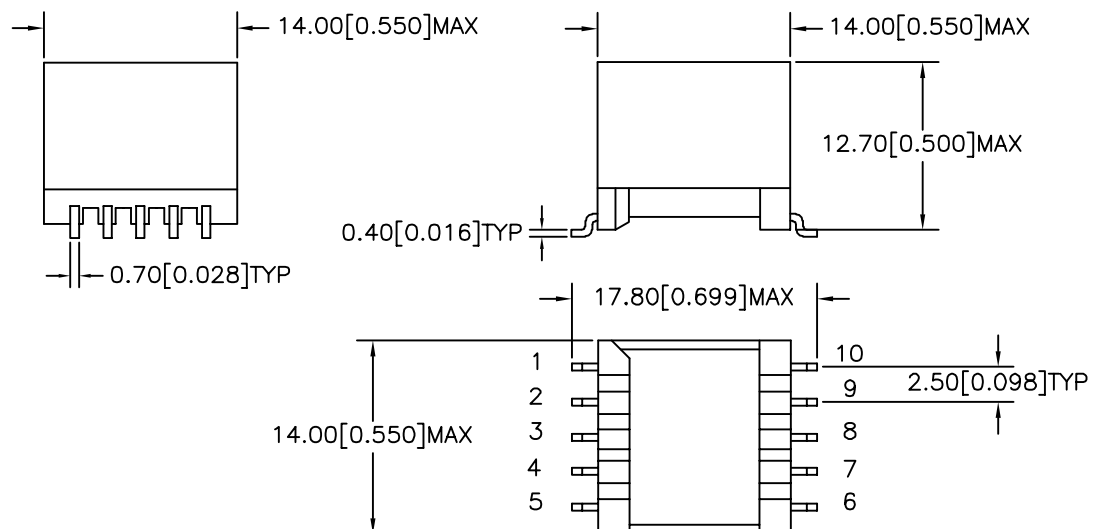
D. Schematic;



MODEL NUMBER

TTC-4052

E. Mechanical Specifications;



PREPARED BY:

D. Rund

ENGINEER:

L. Le

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.

P-A1-12475

ACAD\TTC\A1124751.DWG

REV

PR2

ADSL

TRANSFORMER

TTC-4052

MODEL SPECIFICATION

CONTENTS OF THIS DRAWING ARE
SUBJECT TO CHANGE WITHOUT
PRIOR NOTICE

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.