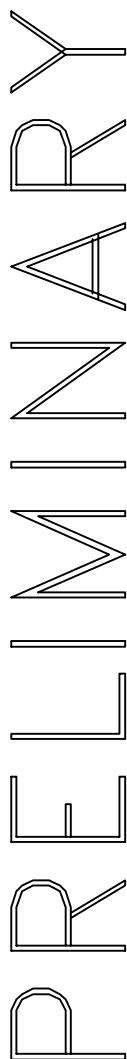


REV. Status ADSL transformer designed for use with Conexant ADSL IC chip CN9001 (20441)

PRELIMINARY
02/03/00 MP

PRELIMINARY 1
CHANGED
A.2, A.3, A1.7,
A.8, & A.9
CHANGED DWG
TO OPEN STYLE
04/06/00 MP

PRELIMINARY 2
CHANGED
A.3 - A.9
ADDED A.10
CHANGED
SCHEMATIC &
LABEL ON ISO.
05/30/00 LL



PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

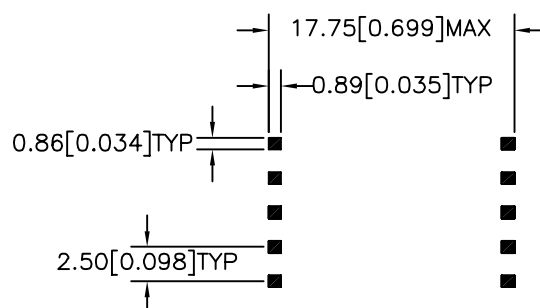
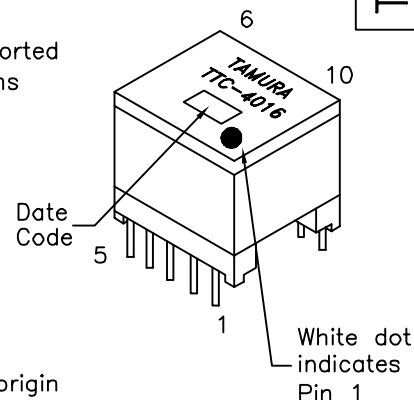
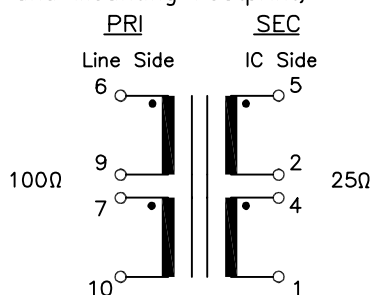
A. Electrical Specifications (@ 25°C)

1. Primary (Line side) Impedance; 100Ω
2. Secondary (IC side) Impedance; 25Ω
3. Longitudinal Balance; 45dBm MIN @ 100KHz TO 1MHz, 0dBm
(Per ITU method pin 5 or 1 grounded)
4. Primary Open Circuit Inductance; 0.80mH±5% @ 10KHz, 0.1Vrms
Measured (6-10) with 9 and 7 shorted
5. Leakage Inductance; 10μH MAX @ 100KHz, 0.1Vrms
Measured (6-10) with 9 & 7, 1 & 5, and 2 & 4 shorted
6. Interwinding Capacitance; 30pF MAX @ 100KHz, 0.1Vrms
Measured (1-10) with 2 & 4, and 7 & 9 shorted
7. DC Resistance; (6-9)=0.74Ω MAX
(7-10)=0.74Ω MAX
(5-1)=0.77Ω MAX, 2 & 4 shorted
8. Turns Ratio; (6-10):(5-1)=2:1±1%
2 & 4, 7 & 9 shorted
9. Dielectric Strength; 3000Vrms 1 second @ Pri to Sec
10. Operating Temperature Range; -40°C to +85°C

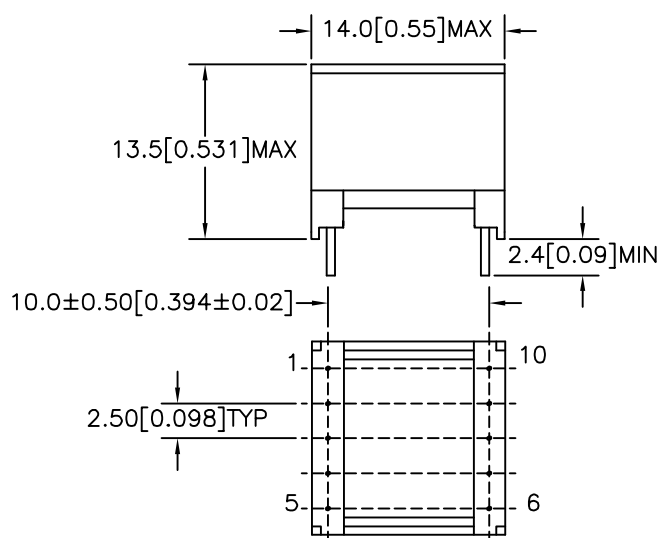
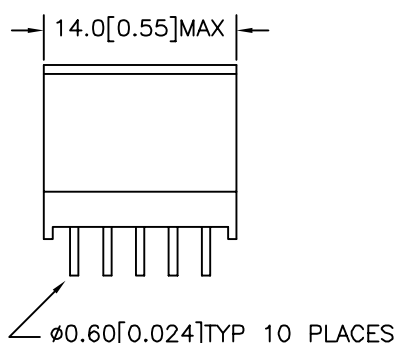
B. Marking; TTC-4016, TAMURA, date code and country of origin

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

D. Schematic and Mounting Footprint;



E. Mechanical Specifications;



MODEL NUMBER

TTC-4016

DWG CONTROL NO.
P-A1-12346
ACAD\TTC\A1123461.DWG

REV
PR2

ADSL
TRANSFORMER

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

TTC-4016

MODEL SPECIFICATION

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

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