



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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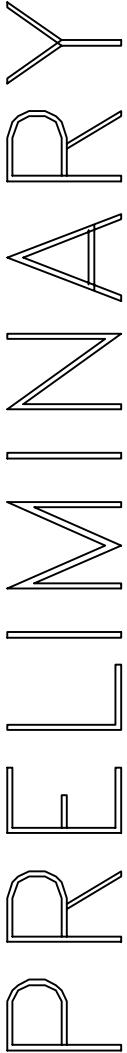
REV. Status

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

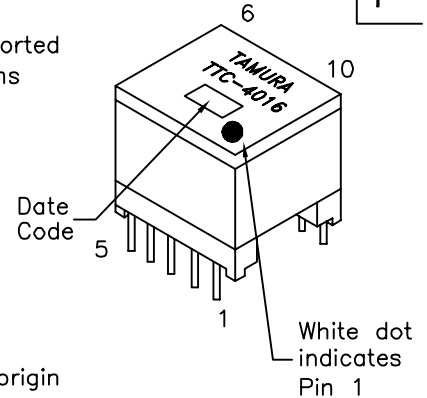
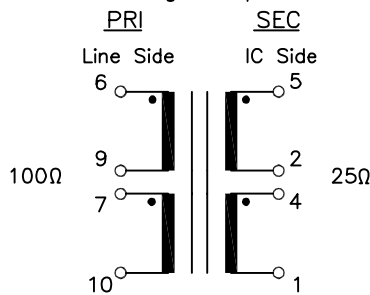


- A. Electrical Specifications (@ 25°C)
1. Primary (Line side) Impedance; 100Ω
  2. Secondary (IC side) Impedance; 25Ω
  3. Longitudinal Balance; 45dBm MIN @ 100KHz TO 1MHz, 0dBm (Per ITU method pin 5 or 1 grounded)
  4. Primary Open Circuit Inductance; 0.80mH±5% @ 10KHz, 0.1Vrms Measured (6-10) with 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

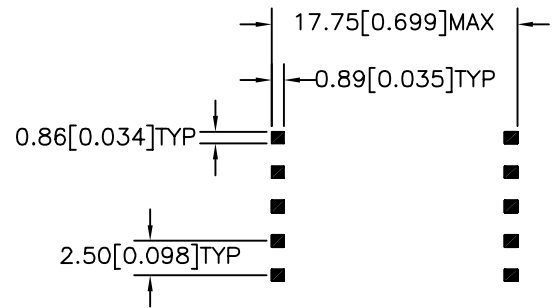
B. Marking; TTC-4016, TAMURA, date code and country of origin

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

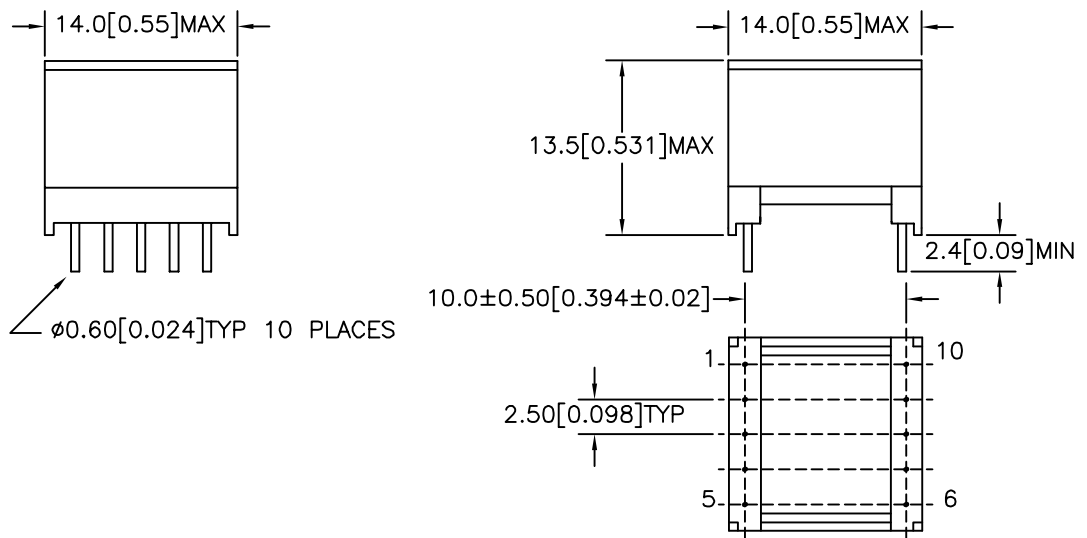
D. Schematic and Mounting Footprint;



MODEL NUMBER  
**TTC-4016**



E. Mechanical Specifications;



PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

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

REV  
PR2

ADSL  
TRANSFORMER

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**TTC-4016**

MODEL SPECIFICATION

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

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