



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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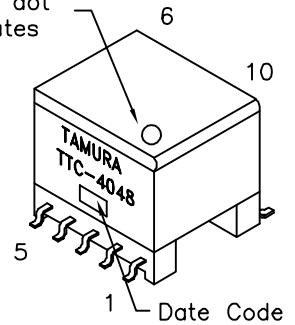
REV. Status  
PRELIMINARY  
04/25/00 MP

ADSL transformer designed for use with Centillium IC chip G-L21SC04 (CO Side)

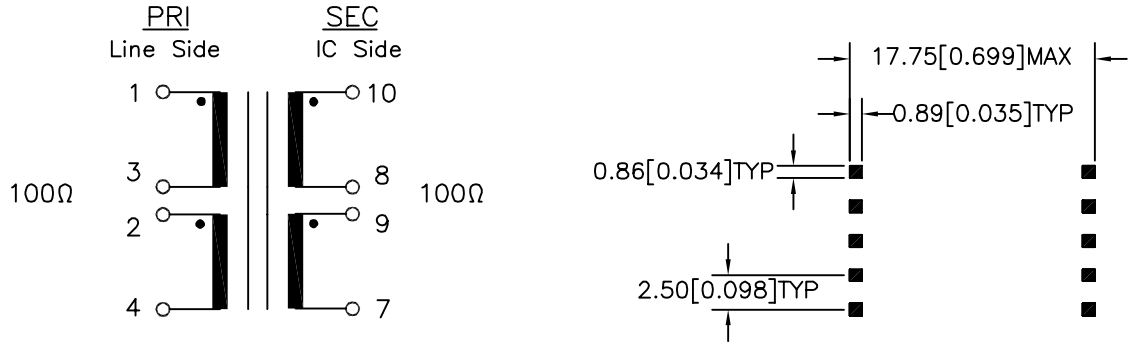
MODEL NUMBER  
**TTC-4048**

- A. Electrical Specifications (@ 25°C)
1. Primary (Line side) Impedance; 100Ω
  2. Secondary (IC side) Impedance; 100Ω
  3. Frequency Response; ±0.5dB @ 100KHz to 1.1MHz, 0dBm
  4. Insertion Loss; 0.5dB MAX @ 100KHz, 0dBm
  5. Longitudinal Balance; 40dB MIN @ 30KHz to 1.1MHz, 0dBm
  6. Primary Open Circuit Inductance; 440μH ±5% @ 10KHz, 0.1Vrms Measured (1-4) with 2 and 3 shorted
  7. Leakage Inductance; 5μH MAX @ 100KHz, 0.1Vrms Measured (1-4) with 2 & 3, 8 & 9 and 7 & 10 shorted
  8. Total Harmonic Distortion; -85dB MAX @ 40KHz
  9. DC Resistance; (1-4)=1.0Ω MAX, with 2 & 3 shorted (7-10)=1.0Ω MAX, with 8 & 9 shorted
  10. Turns Ratio; (1-4):(7-10)=1:1.00±2% 2 & 3, and 8 & 9 shorted
  11. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

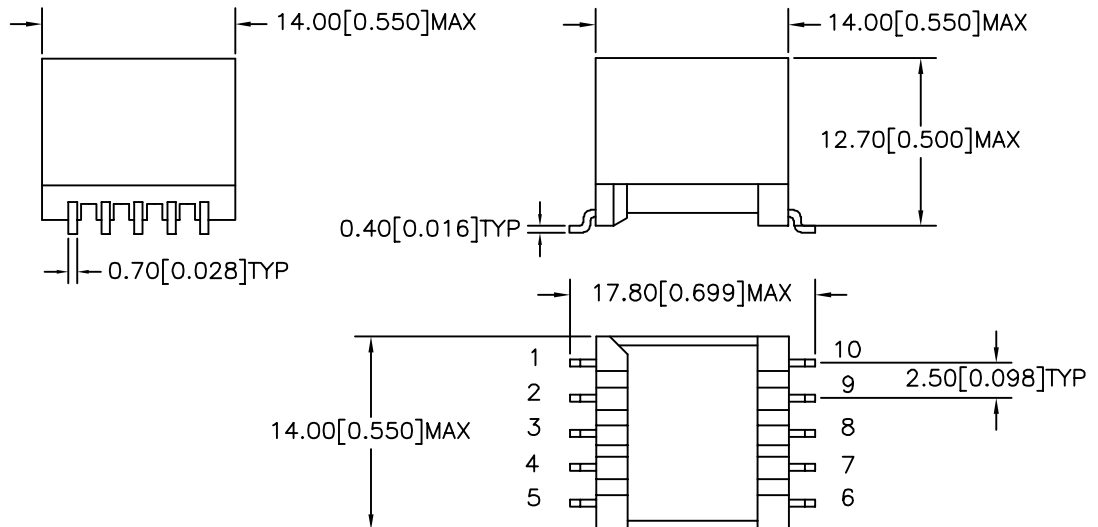
White dot indicates Pin 1



- B. Marking; TTC-4048, TAMURA, date code and country of origin  
C. Safety; Complies with UL1950 3rd Edition and IEC950  
D. Schematic;



E. Mechanical Specifications;



PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

APPROVED:

J. Coleman

DWG CONTROL NO.  
P-A1-12471  
ACAD\TTC\A1124711.DWG

REV  
PRE

ADSL  
TRANSFORMER

**TTC-4048**

MODEL SPECIFICATION

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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

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