



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  
02/23/00 MP

PRELIMINARY 1  
ADDED UL  
FAMILY INFO.  
09/11/01 MP

HDSL transformer designed for use with Level One HDSL IC chips SK70704/SK70707 at 1168kbps rates

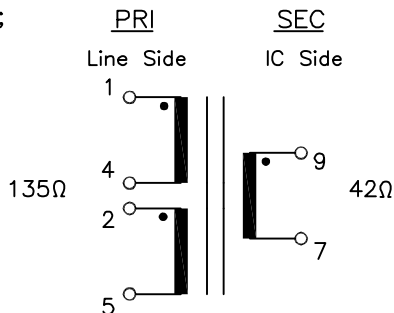
A. Electrical Specifications (@ 25°C)

1. Primary (Line side) Impedance; 135Ω
2. Secondary (IC side) Impedance; 42Ω
3. Longitudinal Balance; 53dBm MIN @ 500Hz TO 292KHz, 0dBm (Per ITU method pin 7 grounded)
4. Insertion Loss; 1.0dB MAX @ 100KHz, 0dBm
5. Total Harmonic Distortion; -84.5dB TYP @ 5KHz, 1.45Vrms
6. Primary Open Circuit Inductance; 0.60mH ±5% @ 10KHz, 1.0Vrms Measured (9-7)
7. Leakage Inductance; 20μH MAX @ 100KHz, 0.2Vrms Measured (9-7) with 2 & 4, and 1 & 5 shorted
8. DC Current; 160mA
9. Interwinding Capacitance; 75pF MAX @ 100KHz, 1.0Vrms Measured (1-9) with 2 and 4 shorted
10. Total Harmonic Distortion; -84.5dB TYP @ 5KHz, 1.45Vrms
11. DC Resistance; (1-4)=3.50 Ω MAX  
(2-5)=3.50 Ω MAX  
(7-9)=3.17 Ω MAX
12. Turns Ratio; (1-5):(9-7)=1.8:1.00±2%  
2 & 4 shorted
13. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

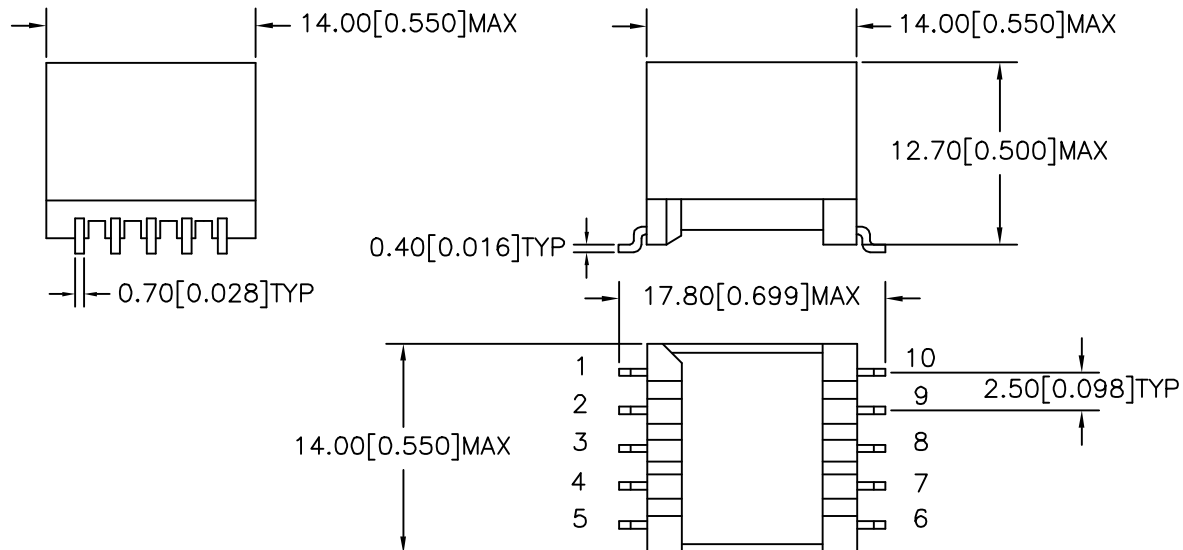
B. Marking; TTC-4036B, TAMURA, date code and country of origin "B" designates UL approved family classification.

C. Safety; UL1950 3rd Edition, UL60950 and EN60950

D. Schematic;

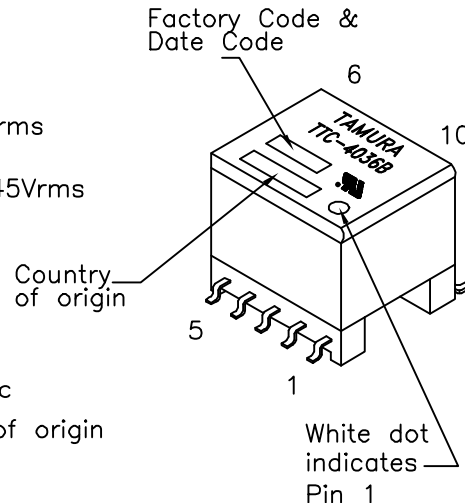


E. Mechanical Specifications;



MODEL NUMBER

TTC-4036



PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.  
P-A1-12363  
ACAD\TTC\A1123631.DWG

REV  
PR1

HDSL  
TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
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(909) 699-1270 FAX 9096769482

TTC-4036

MODEL SPECIFICATION

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

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