



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  
03/05/01 MP

PRELIMINARY 1  
CHANGED  
A.3, A.5,  
MARKING &  
PAD LAYOUT.  
03/18/02 MP

HDSL2 transformer designed for use with Globespan chip set

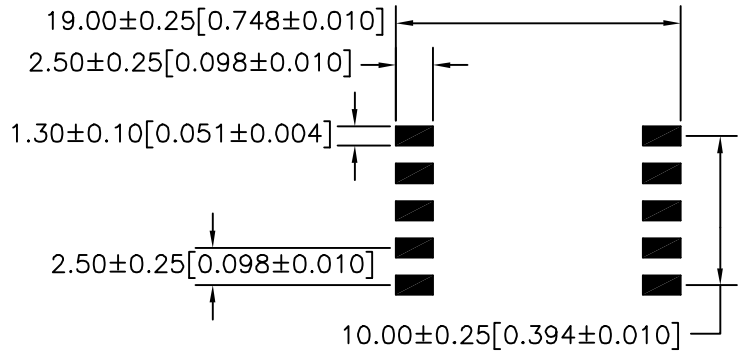
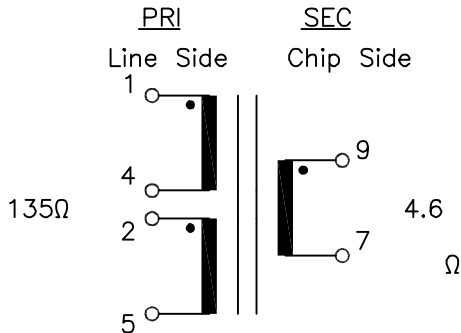
A. Electrical Specifications (@ 25°C)

1. Primary (Line Side) Impedance; 135Ω
2. Secondary (IC Side) Impedance; 4.6Ω
3. Longitudinal Balance; 60dB MIN @ 20KHz to 250KHz, 0dBm (Per ITU method pin 9 grounded)
4. Insertion Loss; 0.50dB MAX @ 100KHz, 0dBm
5. Frequency Response; ±0.50dB @ 17KHz to 600KHz, 100KHz Reference
6. Primary Open Circuit Inductance; 3.0mH ±6% @ 10KHz, 0.1Vrms Measured (1-5) with 2 and 4 shorted
7. Leakage Inductance; 12μH MAX @ 100KHz, 0.1Vrms Measured (1-5) with 4 & 2, and 9 & 7 shorted
8. Interwinding Capacitance; 50pF MAX @ 100KHz, 0.1Vrms Measured (1-9) with 2 & 4 shorted
9. Total Harmonic Distortion; -90dB MAX @ 40KHz
10. DC Resistance; (1-4)=1.1Ω ±10%  
(2-5)=1.1Ω ±10%  
(7-9)=0.21Ω ±10%
11. Turns Ratio; (7-9):(1-5)=1:5.40±2% with 2 & 4 shorted
12. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

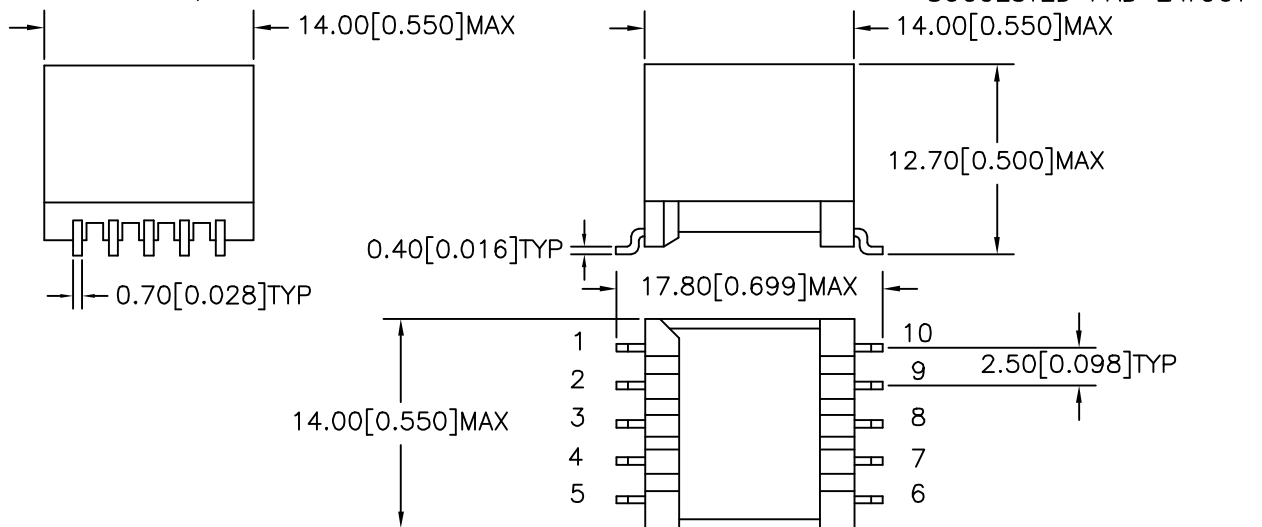
B. Marking; TTC-4083B, TAMURA, date code and country of origin "B" designates UL approved family classification.

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

D. Schematic;



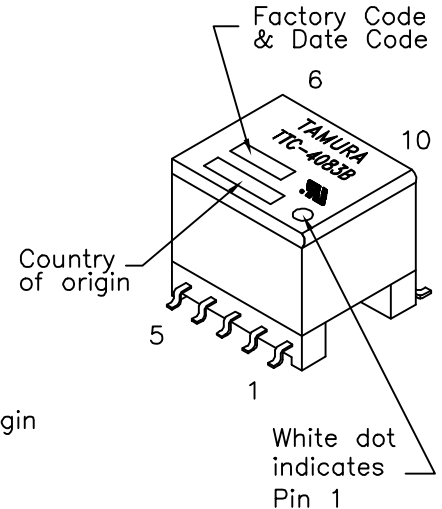
E. Mechanical Specifications



UL# E208555

MODEL NUMBER

TTC-4083



PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.  
P-A1-12738  
ACAD\TTC\A1127381.DWG

REV  
PR1

HDSL2  
TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
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TTC-4083

MODEL SPECIFICATION

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

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