

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

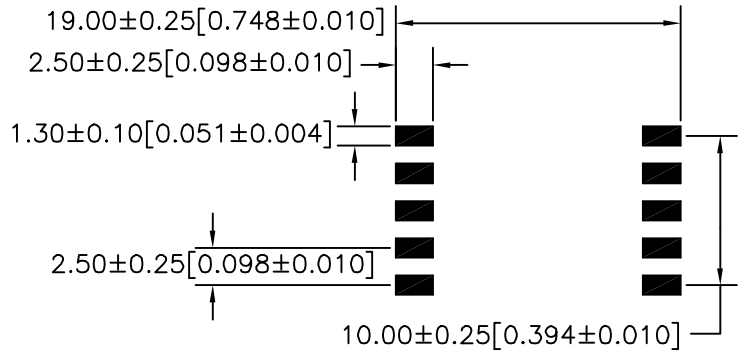
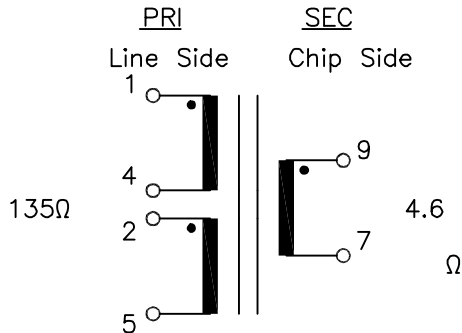
A. Electrical Specifications (@ 25°C)

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

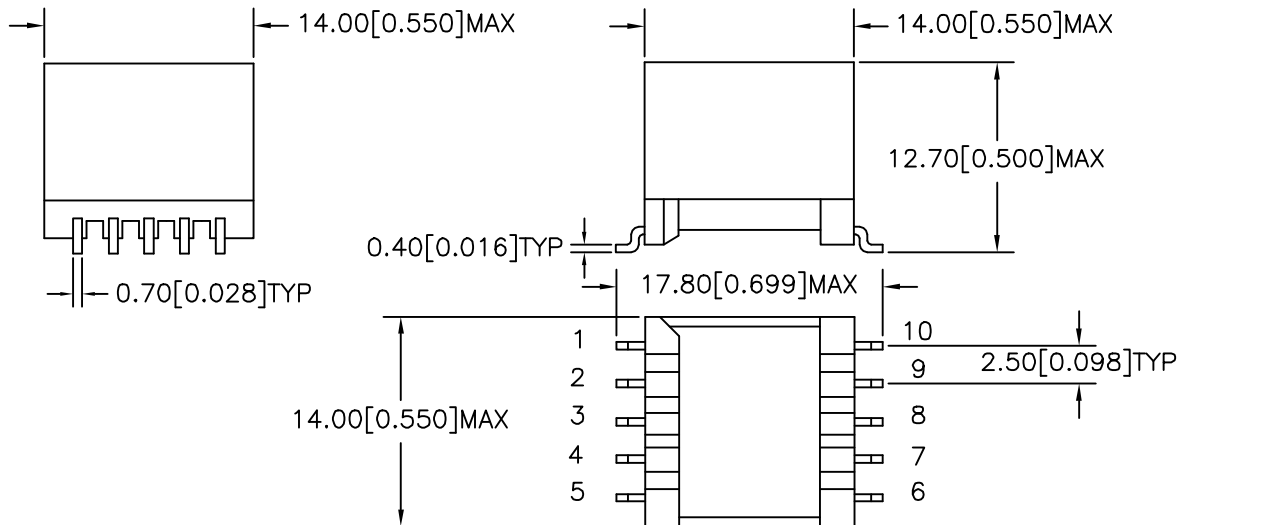
B. Marking; TTC-4083B, TAMURA, date code and country of origin "B" designates UL approved family classification.

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

D. Schematic;



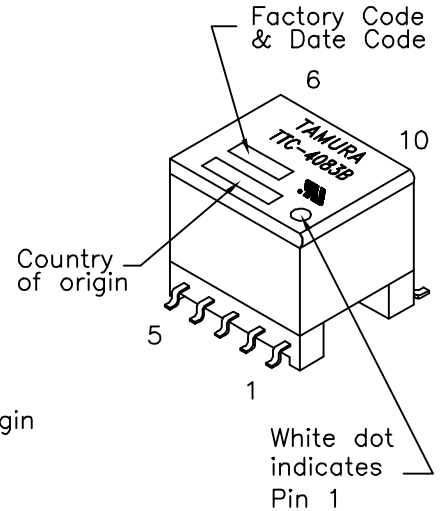
E. Mechanical Specifications



UL# E208555

MODEL NUMBER

TTC-4083



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APPROVED:

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

REV  
PR1

HDSL2  
TRANSFORMER  
**TAMURA CORPORATION OF AMERICA**  
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(909) 699-1270 FAX 9096769482

TTC-4083

MODEL SPECIFICATION

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

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