Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Tamura
TTC-4083

For any questions, you can email us directly:
sales@integrated-circuit.com

Distributor of Tamura: Excellent Integrated System Limited
Datasheet of TTC-4083 - TRANSF HDSL2 135:4.6 OHM 3MH SMT
Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

REV.	Status
	PRELIMINARY 03/05/01 MP
	PRELIMINARY 1 CHANGED A.3, A.5, MARKING & PAD LAYOUT. 03/18/02 MP

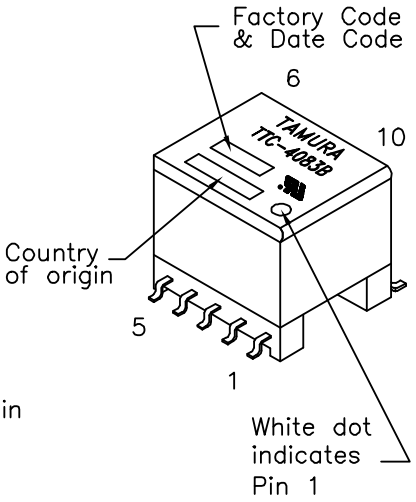
MODEL NUMBER TTC-4083

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

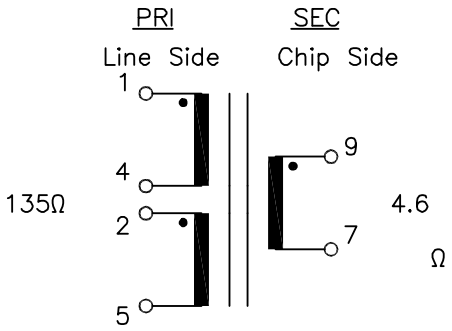
UL® UL# E208555

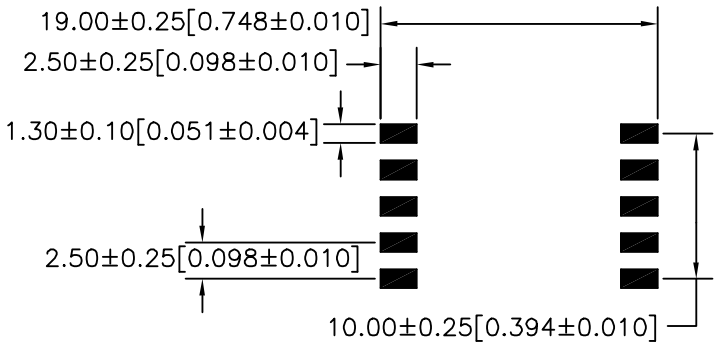


B. Marking; TTC–4083B, TAMURA, date code and country of origin "B" designates UL approved family classification.

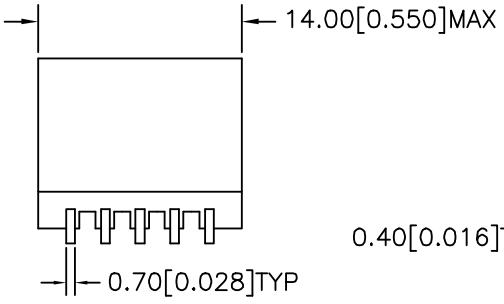
C. Safety: UL1950 3rd Edition, UL60950 and EN60950

D. Schematic;

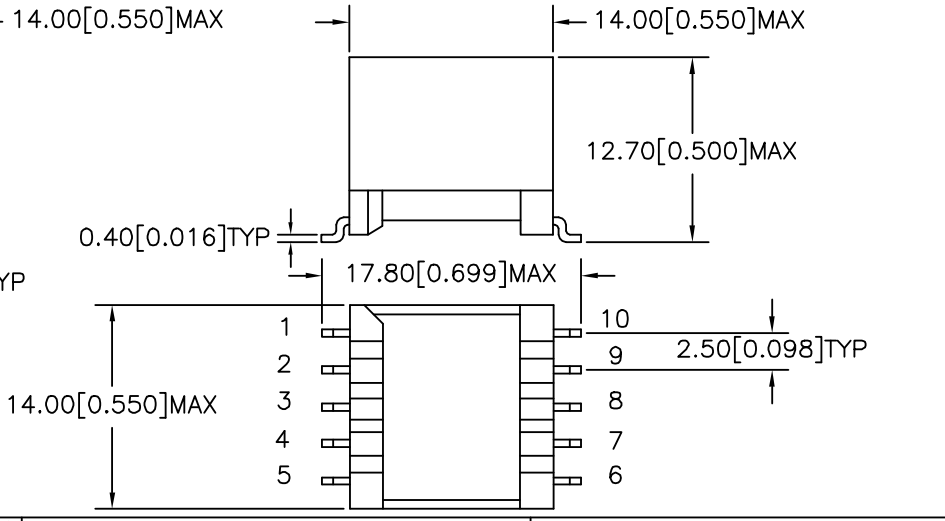




E. Mechanical Specifications



SUGGESTED PAD LAYOUT



PREPARED BY: D. Rund				
ENGINEER: M. Pitchai	DWG CONTROL NO. P–A1–12738 ACAD\TTC\A1127381.DWG	REV PR1	HDSL2 TRANSFORMER	TTC–4083 MODEL SPECIFICATION
QUALITY CONTROL: D. Kelley	CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		TAMURA CORPORATION OF AMERICA 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590–6624 (909) 699–1270 FAX 9096769482	DIM: mm(In) SCL: 2/1 SH: 1 OF 2
APPROVED: J. Coleman				

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