



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!



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REV. Status

PRELIMINARY
04/03/01 YS

PRELIMINARY 1
CHANGED A.11
04/18/01 YS

HDSL2 transformer for use with Level One HDSL2 IC chip set SK70740

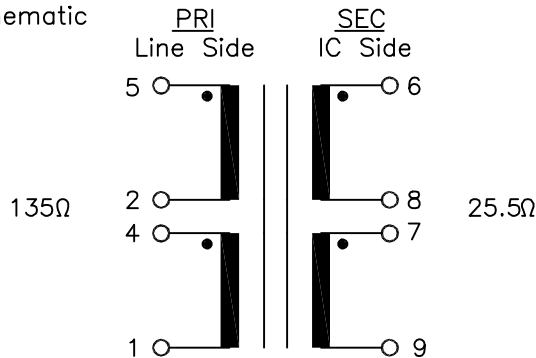
A. Electrical Specifications (@ 25°C)

1. Primary (Line side) Impedance; 135Ω
2. Secondary (IC side) Impedance; 25.5Ω
3. DC Current; 100mA
4. Longitudinal Balance; 55dB MIN @ 20KHz to 560KHz, 0dBm
5. Primary Open Circuit Inductance; 2mH ±10% @ 10KHz, 1Vrms, DC 100mA Measured (1-5) with 2 and 4 shorted
6. Leakage Inductance; 35μH MAX @ 100KHz, 0.1Vrms Measured (1-5) with 2 & 4, 7 & 8, and 6 & 9 shorted
7. Winding Capacitance; 60pF MAX @ 100KHz, 0.1Vrms Measured (5-6) with 2 & 4, 7 & 8 shorted
8. DC Resistance;
 - 1.86Ω MAX measured (1-4)
 - 1.86Ω MAX measured (2-5)
 - 0.90Ω MAX measured (6-9) with (7-8) shorted
9. Turns Ratio; (5-1):(6-9)=2.3:1±2%
10. Dielectric Strength; 1500Vrms 60 seconds @ Pri to Sec or 1875Vrms 1 second
11. Total Harmonic Distortion; -80dB TYP @ 20KHz, 0.7Vrms
12. Return Loss; 15dB MIN, 50KHz to 200KHz

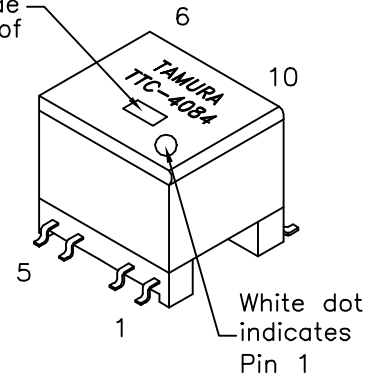
B. Marking; TTC-4084, TAMURA, date code and country of origin

C. Safety: Complies with UL1950 3rd Edition and EN60950

D. Schematic



Date Code
Country of origin

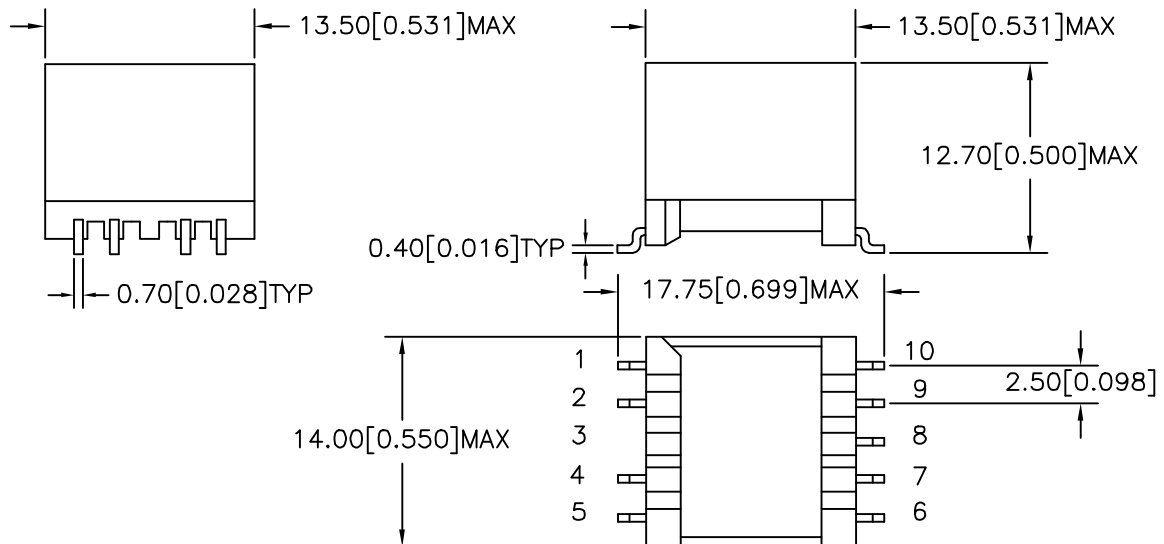


MODEL NUMBER

TTC-4084

E. Mechanical Specifications

Dimensions without tolerances are for reference only.



PREPARED BY:

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ENGINEER:

Y. Sekiguchi

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.
P-A1-12755
ACAD\TTC\A1127551.DWG

REV
PR1

HDSL2
TRANSFORMER

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

TTC-4084

MODEL SPECIFICATION

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

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