

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

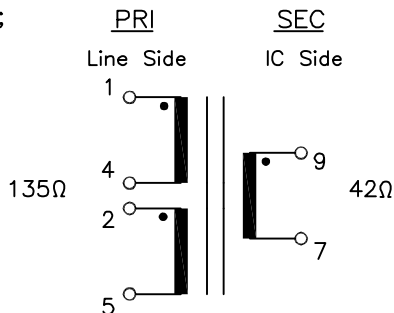
A. Electrical Specifications (@ 25°C)

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

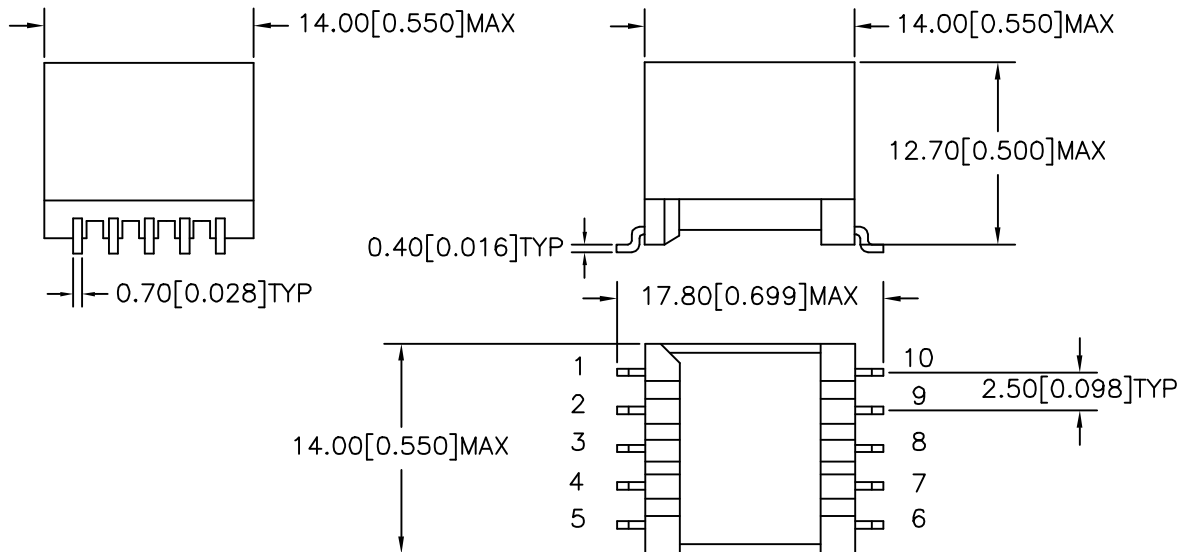
B. Marking; TTC-4036B, TAMURA, date code and country of origin "B" designates UL approved family classification.

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

D. Schematic;

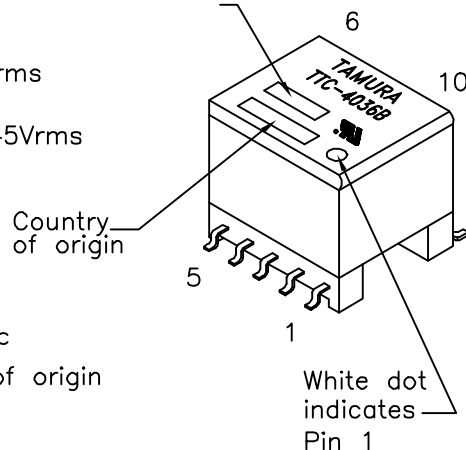


E. Mechanical Specifications;



UL #E208555

Factory Code & Date Code



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

TTC-4036

MODEL SPECIFICATION

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

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.