

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

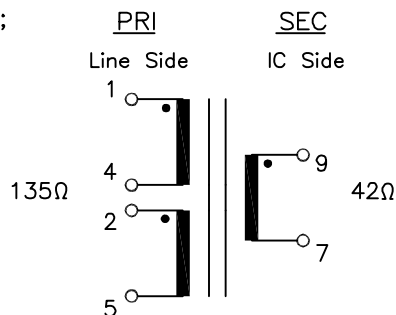
A. Electrical Specifications (@ 25°C)

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

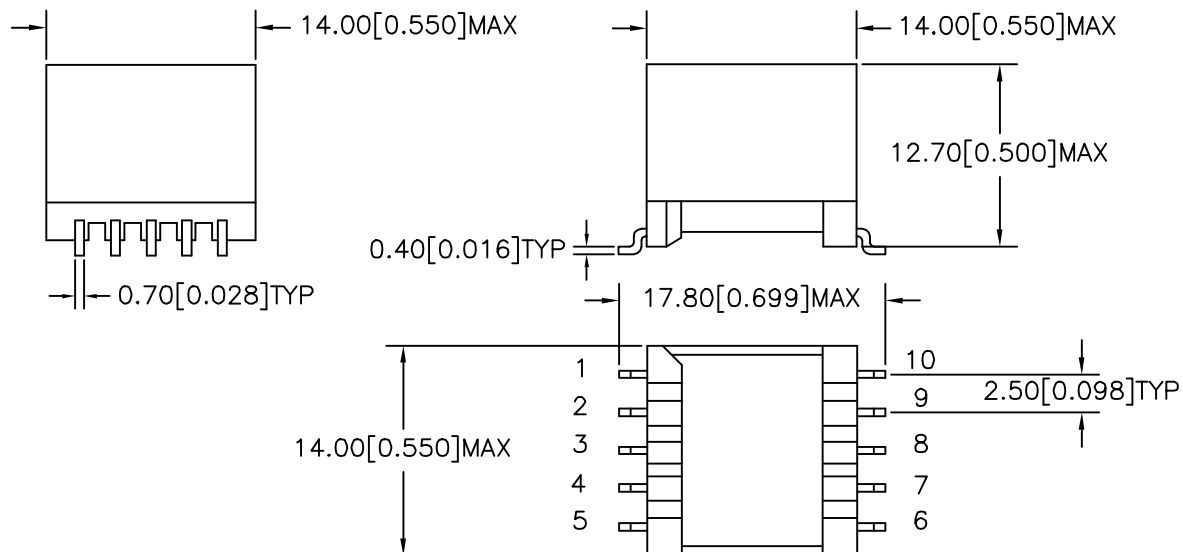
B. Marking; TTC-4036B, TAMURA, date code and country of origin "B" designates UL approved family classification.

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

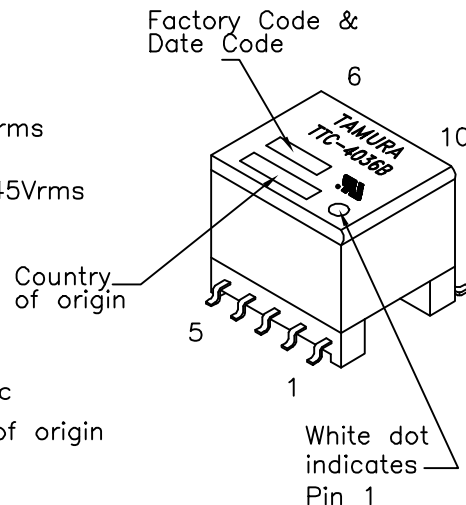
D. Schematic;



E. Mechanical Specifications;



MODEL NUMBER
TTC-4036



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QUALITY CONTROL:

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APPROVED:

J. Coleman

DWG CONTROL NO.
P-A1-12363
ACAD\TTC\A1123631.DWG

REV
PR1

HDSL
TRANSFORMER

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TTC-4036

MODEL SPECIFICATION

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

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