

Excellent Integrated System Limited

Stocking Distributor

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[Tamura](#)

[TTC-4035](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

REV. Status

PRELIMINARY
02/23/00 MP

HD SL transformer designed for use with Level One HD SL IC chips SK70704/SK70707 at 1168kbps rates

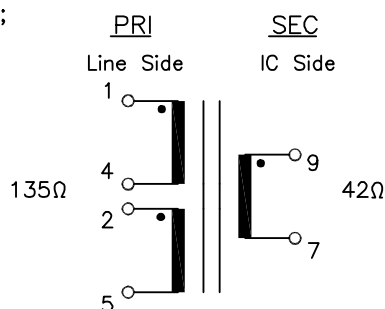
A. Electrical Specifications (@ 25 °C)

1. Primary (Line side) Impedance; 135Ω
2. Secondary (IC side) Impedance; 42Ω
3. Longitudinal Balance; 53dBm MIN @ 500Hz TO 292KHz, 0dBm
(Per FCC part 68.310, 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, 0.1Vrms
Measured (9-7) with 2 & 4, and 1 & 5 shorted
8. Interwinding Capacitance; 75pF MAX @ 100KHz, 1.0Vrms
Measured (1-9) with 2 & 4 shorted
9. DC Resistance; (1-4)=3.46Ω ±10%
(2-5)=3.46Ω ±10%
(7-9)=3.23Ω ±10%
10. Turns Ratio; (1-4):(2-5)=1:1.00±2%
(7-9):(1-5)=1:1.80±2%
2 & 4 shorted
11. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

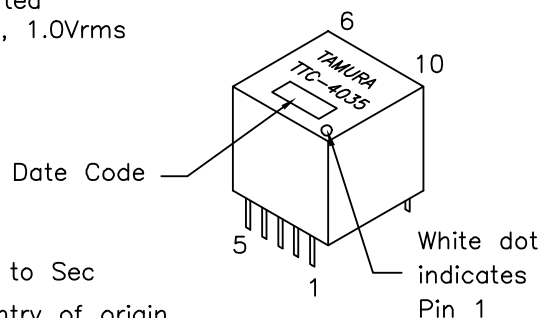
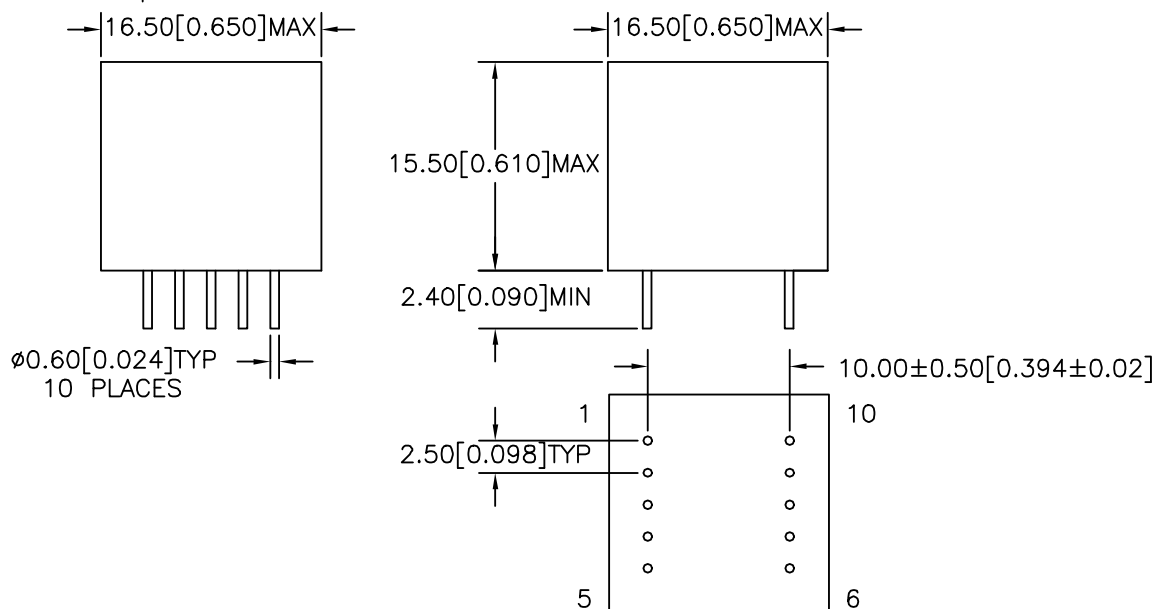
B. Marking; TTC-4035, TAMURA, date code and country of origin

C. Safety; Complies with UL1950 3rd Edition and IEC950

D. Schematic;



E. Mechanical Specifications;



MODEL NUMBER

TTC-4035

PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.
P-A1-12358
ACAD\TTC\A1123581.DWG

REV
PRE

HD SL
TRANSFORMER

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

TTC-4035

MODEL SPECIFICATION

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

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