

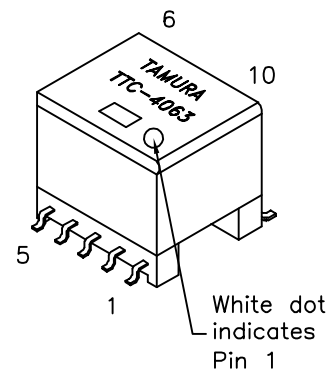
REV. Status

PRELIMINARY
10/31/00 MPPRELIMINARY 1
CHANGED A.4,
A.12, ADDED A.8.
12/06/00 MPHDSL transformer designed for use with Globespan HDSL2 IC chip T.B.D.
at 784kbps rates

A. Electrical Specifications (@ 25 °C)

1. Primary (Line side) Impedance; 135 Ω
2. Secondary (IC side) Impedance; 28 Ω
3. Longitudinal Balance; 60dBm MIN @ 20KHz TO 250KHz, 0dBm
(Per ITU method pin 1 grounded)
4. Insertion Loss; 1.2dB MAX @ 10KHz to 1MHz, 0dBm
5. Total Harmonic Distortion; -70dB MAX @ 40KHz, 1.84Vrms
6. Primary Open Circuit Inductance; 3.0mH \pm 5% @ 10KHz, 0.1Vrms
Measured (10-6) with 7 and 9 shorted
7. Leakage Inductance; 10 μ H MAX @ 100KHz, 0.1Vrms
Measured (10-6) with 7 & 9, and 1 & 5 shorted
8. Interwinding Capacitance; 80pF MAX @ 100KHz, 0.1Vrms
Measured (10-1) with 7 & 9, 10 & 6, and 1 & 5 shorted
9. DC Current; 100mA
10. DC Resistance; (1-5)=1.10 Ω MAX
(6-9)=1.25 Ω MAX
(7-10)=1.25 Ω MAX
11. Turns Ratio; (1-5):(10-6)=1:2.20 \pm 2%
7 & 9 shorted
12. Dielectric Strength; 2500Vrms 1 second @ Pri to Sec

Date Code



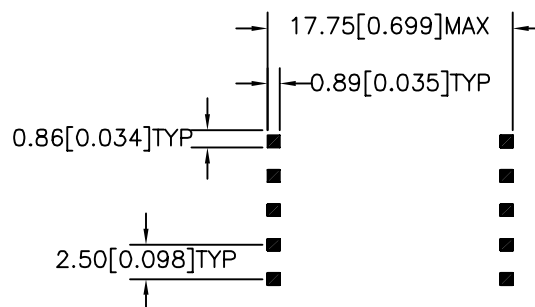
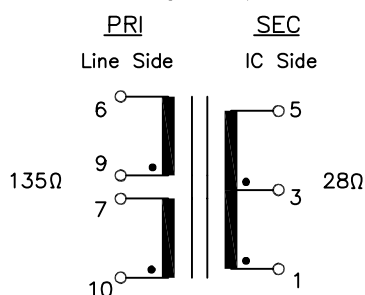
MODEL NUMBER

TTC-4063

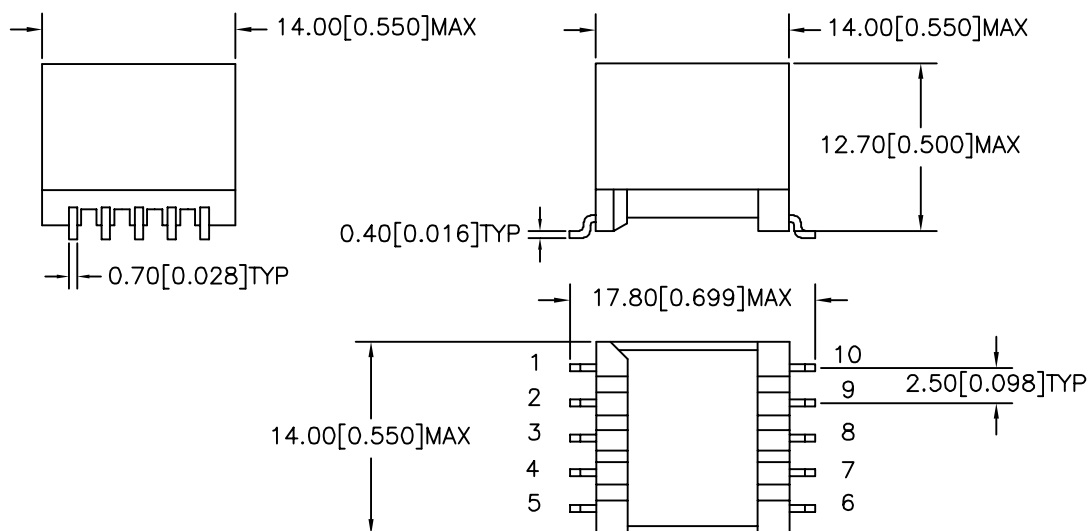
B. Marking; TTC-4063, TAMURA, date code and country of origin

C. Safety; Complies with UL1950 3rd Edition

D. Schematic and Mounting Footprint;



E. Mechanical Specifications;



PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

APPROVED:

J. Coleman

DWG CONTROL NO.

P-A1-12612
ACAD\TTC\A1126121.DWG

REV

PR1

HDSL

TRANSFORMER

TAMURA CORPORATION OF AMERICA43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482

TTC-4063

MODEL SPECIFICATION

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

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