

REV. Status

PRELIMINARY
07/10/00 MP

PRELIMINARY 1
ADDED VALUES
TO T.B.D.'s
09/08/00 MP

PRELIMINARY 2
CHANGED
A.3-A.7, A.8,
C, D & MARKING
ON ISO DWG.
06/05/01 MP

PRELIMINARY 3
ADDED "G"
TO P/N TO
INDICATE UL
FAMILY CLASS.
07/16/01 MP

PRELIMINARY 4
CHANGED
DESCRIPTION
07/20/01 MP

ADSL transformer designed for use with Centillium IC chips
CT-L52DU81 (CPE Side), CT-L42DU30 (CPE Side)

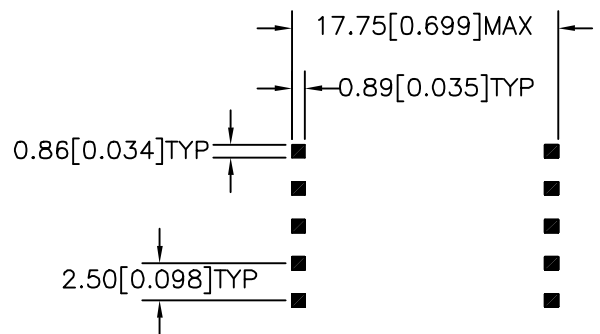
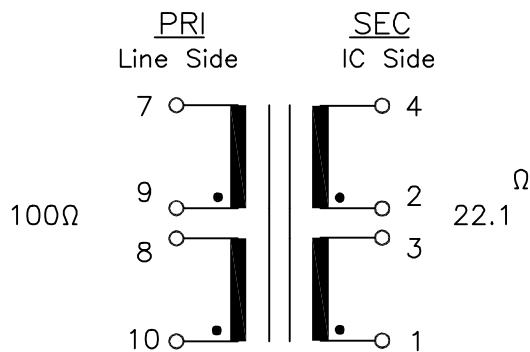
A. Electrical Specifications (@ 25°C)

1. Primary (Line side) Impedance; 100Ω
2. Secondary (IC side) Impedance; 22.1Ω
3. Frequency Response; ±1.0dB @ 30KHz to 1.1MHz, 0dBm
4. Insertion Loss; 0.5dB MAX @ 100KHz, 0dBm
5. Longitudinal Balance; 40dB MIN @ 30KHz to 1.1MHz, 0dBm (Per ITU method pin 4 grounded)
6. Primary Open Circuit Inductance; 5.0mH ±10% @ 10KHz, 0.1Vrms Measured (10-7) with 8 and 9 shorted
7. Leakage Inductance; 12μH MAX @ 100KHz, 0.1Vrms Measured (10-7) with 2 & 3, 8 & 9 and 1 & 4 shorted
8. Total Harmonic Distortion; -80dB MAX @ 40KHz
9. DC Resistance; (1-3)=0.350Ω MAX
(2-4)=0.400Ω MAX
(9-7)=1.750Ω MAX
(10-8)=1.750Ω MAX
10. Turns Ratio; (1-4):(10-7)=1:2.125±2%
2 & 3, and 8 & 9 shorted
11. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

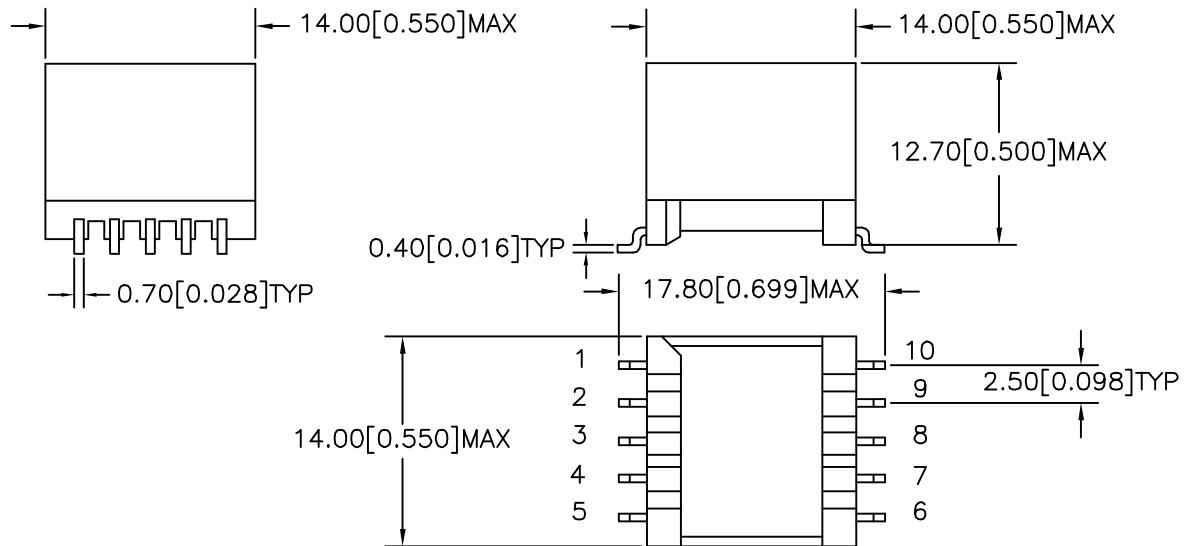
B. Marking; TTC-4058G, TAMURA, date code and country of origin
"G" designates UL approved family classification

C. Safety; Complies with UL1950 3rd Edition, UL60950

D. Schematic;



E. Mechanical Specifications;



UL# E208555

Factory Code & Date Code

Country of origin

White dot indicates Pin 1

MODEL NUMBER

TTC-4058

PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.
P-A1-12528
ACAD\TTC\A1125281.DWG

REV
PR4

ADSL
TRANSFORMER

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

TTC-4058

MODEL SPECIFICATION

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

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