



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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REV. Status

REVISION –
06/30/00 MP

REVISION A
CHANGED
SCHEMATIC,
ADDED UL TO
ISO MARKING.
11/06/00 MP

REVISION B
CHANGED
SCHEMATIC,
A.1, A.2, A.6
AND A.10.
11/21/00 MP

ADSL transformer designed for use with Analog Device ADSL IC chip set AD20MSP930

A. Electrical Specifications (@ 25° C)

1. Primary (Line side) Impedance; 100Ω
2. Secondary (IC side) Impedance; 82.6Ω
3. Frequency Response; ±0.5dB MAX @ 100KHz to 1.1MHz OdBm
4. Insertion Loss; 0.5dB MAX @ 300KHz OdBm
5. Longitudinal Balance; 40dB MIN @ 10KHz to 1MHz, OdBm (Per ITU method pin 4 grounded)
6. Open Circuit Inductance; 1.8mH MIN @ 10KHz, 0.02Vrms Measured (1–4) with 2 and 3 shorted
7. Leakage Inductance; 7.5μH MAX @ 100KHz, 0.01Vrms Measured (1–4) with 2 & 3, 8 & 9, and 7 & 10 shorted
8. DC Resistance;
 - 2.0Ω MAX measured (1–4) with (2–3) shorted
 - 2.0Ω MAX measured (10–7) with (9–8) shorted
9. Turns Ratio; (1–4):(7–10)=1:1.1±2%
2 & 3, 8 & 9 shorted
10. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec
11. Total Harmonic Distortion; –80dB MAX @ 20KHz



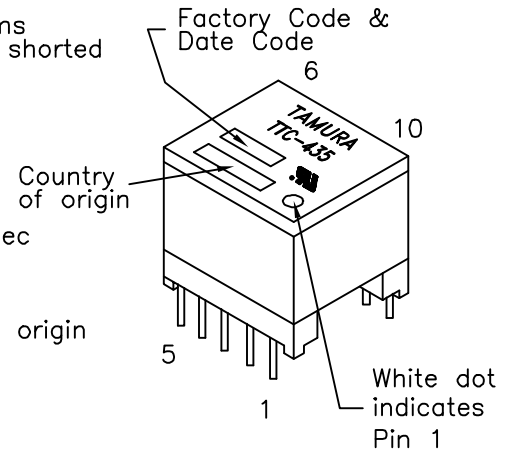
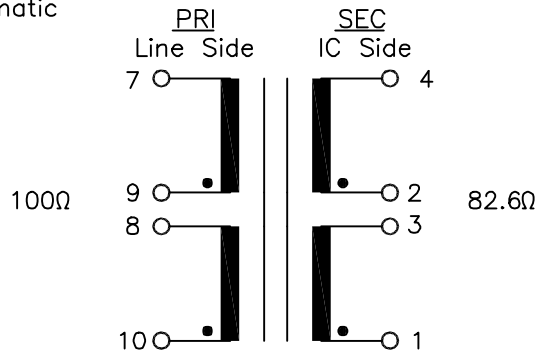
MODEL NUMBER

TTC-435

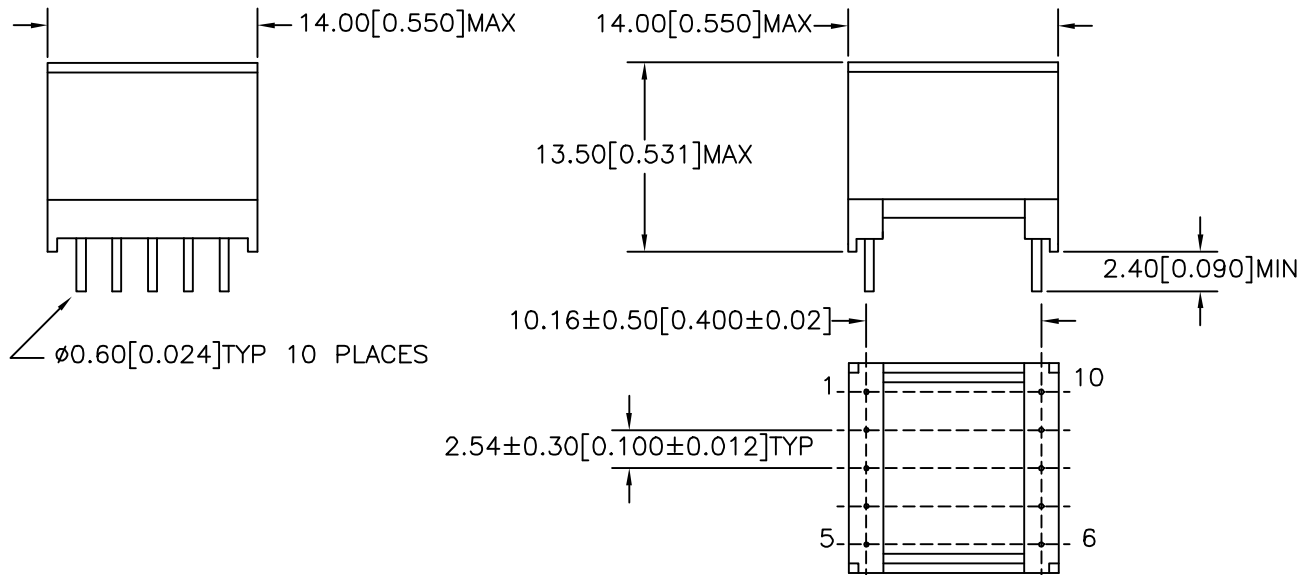
B. Marking; TTC-435, TAMURA, date code and country of origin

C. Safety: UL 1950 3rd Edition File No. E208555

D. Schematic



E. Mechanical Specifications



PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.
P-A1-12270
ACAD\TTC\A1122701.DWG

REV
B

ADSL THROUGH HOLE
TRANSFORMER

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

TTC-435

MODEL SPECIFICATION

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

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