

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Tamura](#)  
[TTC-435](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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

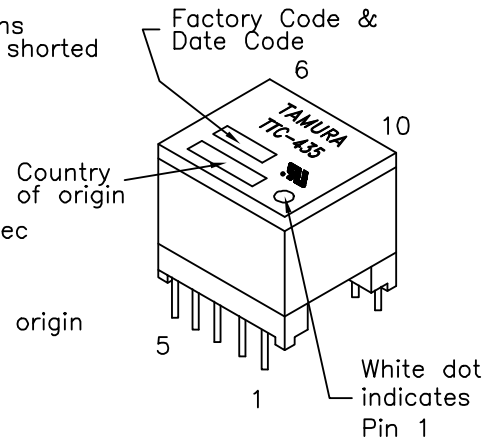
ADSL transformer designed for use with Analog Device ADSL IC chip set AD20MSP930

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 0dBm
4. Insertion Loss; 0.5dB MAX @ 300KHz 0dBm
5. Longitudinal Balance; 40dB MIN @ 10KHz to 1MHz, 0dBm (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



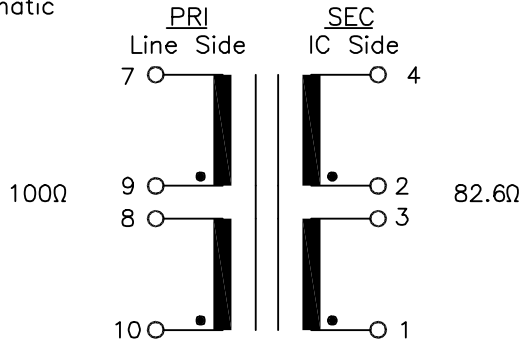
MODEL NUMBER  
**TTC-435**



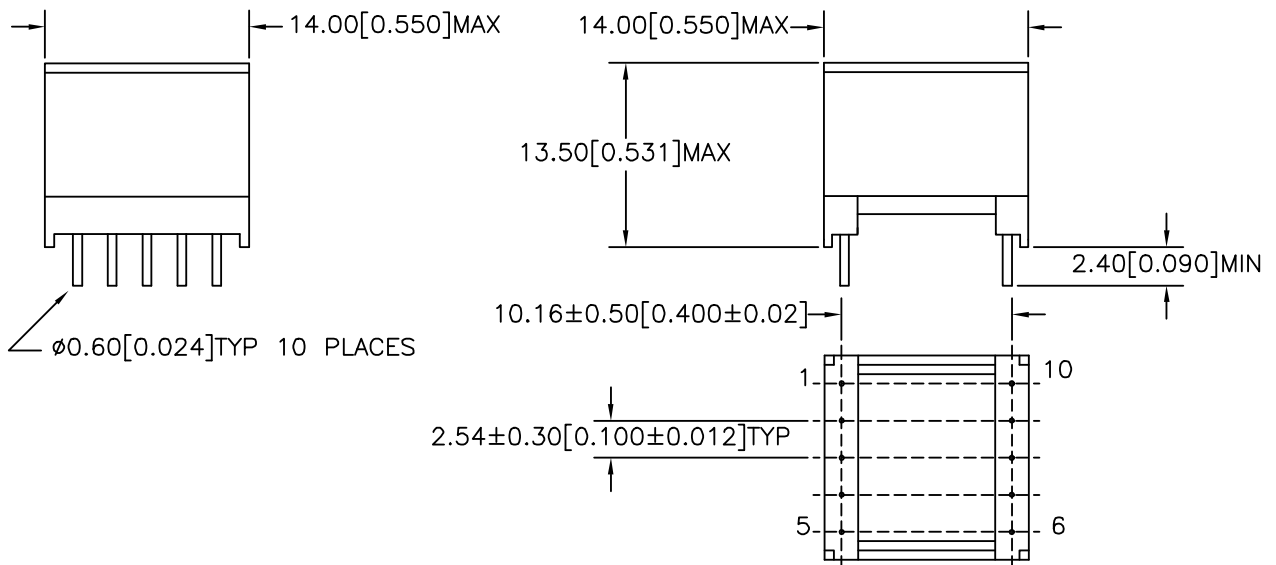
B. Marking; TTC-435, TAMURA, date code and country of origin

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

D. Schematic



E. Mechanical Specifications



PREPARED BY:

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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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