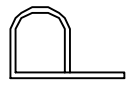
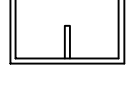
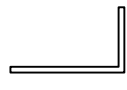
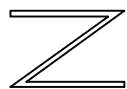
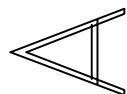
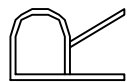
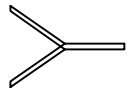


REV. Status

PRELIMINARY
11/15/99 NSPRELIMINARY 1
CHANGED A.3,
A.5, A.7, & A.12
03/01/00 JCPRELIMINARY 2
CHANGED ISO,
MECHANICAL
SPECIFICATIONS,
A1, A.2, A.6
AND A.10.
11/21/00 MP

PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

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

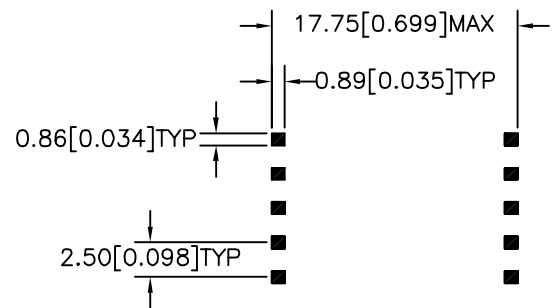
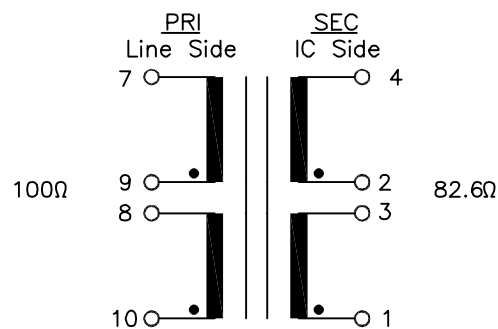
A. Electrical Specifications (@ 25°C)

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

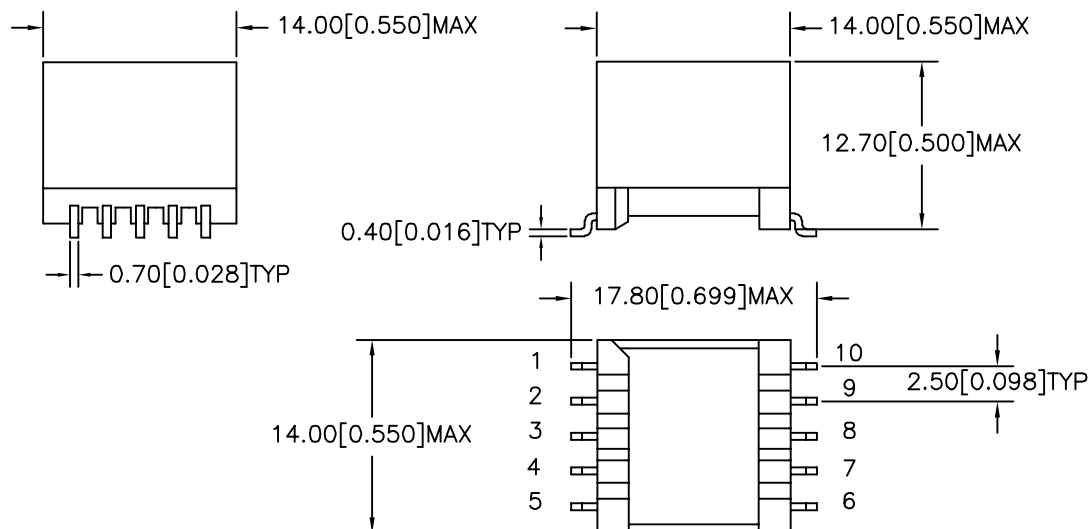
B. Marking; TTC-435SL, TAMURA, date code and country of origin

C. Safety: Complies with UL 1950 3rd Edition

D. Schematic



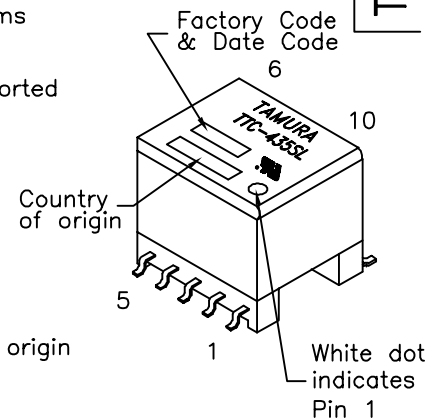
E. Mechanical Specifications



UL# E208555

MODEL NUMBER

TTC-435SL



DWG CONTROL NO. P-A1-12271 ACAD\TTC\A1122711.DWG	REV PR2	ADSL SURFACE MOUNT TRANSFORMER	TTC-435SL
TAMURA CORPORATION OF AMERICA 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624 (909) 699-1270 FAX 9096769482			MODEL SPECIFICATION
DIM: mm(in) SCL: 2/1 SH: 1 OF 1			

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