

REV. Status
PRELIMINARY
05/18/01 MP

HDSL transformer


A. Electrical Specifications (@ 25°C)

1. Primary (Line side) Impedance; 135Ω
2. Secondary (IC side) Impedance; 32Ω
3. Longitudinal Balance; 53dB MIN @ 40KHz to 300KHz, 0dBm (Per ITU Method pin 10 grounded)
4. Insertion Loss; 0.50dB MAX @ 40KHz, 0dBm
5. Frequency Response; ±0.1dB @ 40KHz to 200KHz
6. Return Loss; 16.5dB MIN @ 40KHz to 300KHz, 0dBm
7. Primary Open Circuit Inductance; 2.0mH ±6% @ 10KHz, 0.1Vrms Measured (1-5) with 2 and 4 shorted
8. Leakage Inductance; 10μH MAX @ 100KHz, 0.1Vrms Measured (1-5) with 2 & 4, 8 & 9 and 10 & 7 shorted
9. DC Current; 160mA
10. Total Harmonic Distortion; -70 MAX @ 20KHz
11. DC Resistance; (1-5)=2.50Ω MAX with 2 & 4 shorted (10-7)=1.40Ω MAX with 8 & 9 shorted
12. Turns Ratio; (10-7):(1-5)=1:2.00±2%
2 & 4, and 7 & 8 shorted
13. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

B. Marking; TTC-4089, TAMURA, date code and country of origin

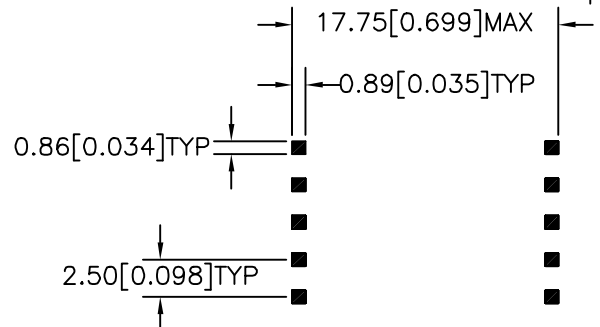
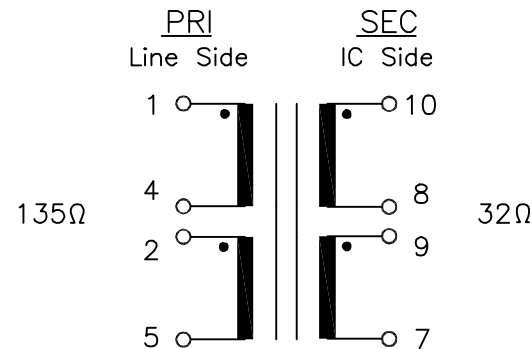
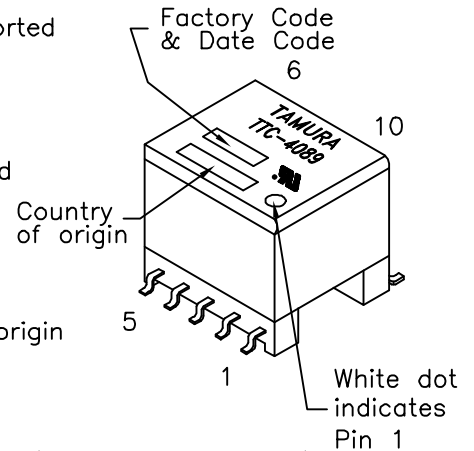
C. Safety; Complies with UL1950 3rd Edition, UL60950

D. Schematic and Mounting Footprint;

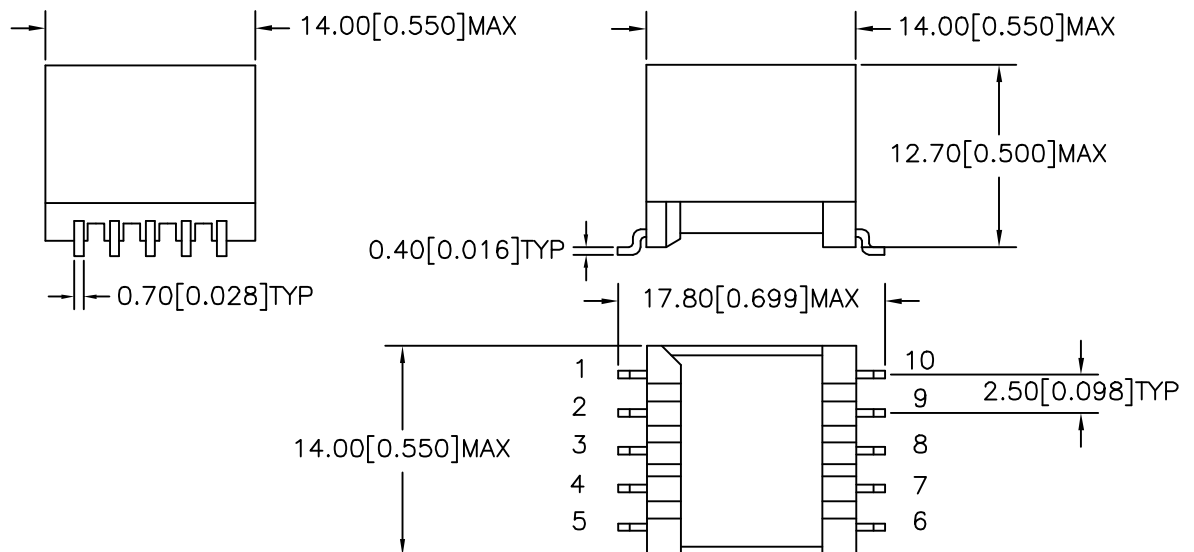

UL# E208555
(Pending)

MODEL NUMBER

TTC-4089



E. Mechanical Specifications;



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APPROVED:

J. Coleman

DWG CONTROL NO.
P-A1-12811
ACAD\TTC\A112811.DWG

REV
PRE

HDSL
TRANSFORMER

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

TTC-4089

MODEL SPECIFICATION

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

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