

HDSL transformer designed for use with Brooktree HDSL IC chips BT8921/BT8970 at 1168kbps rates

MODEL NUMBER  
**TTC-4021**

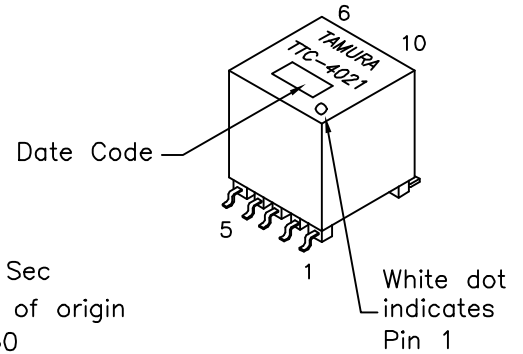
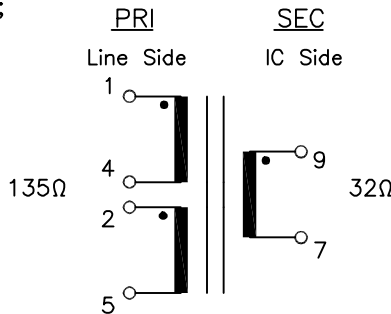
A. Electrical Specifications (@ 25 °C)

1. Primary (Line side) Impedance; 135Ω
2. Secondary (IC side) Impedance; 32Ω
3. Longitudinal Balance; 50dBm MIN @ 40KHz TO 300KHz, 0dBm
4. Frequency Response; ±0.1dB @ 33KHz to 110KHz, 0dBm, 40KHz reference
5. Insertion Loss; 0.5dB MAX @ 40KHz, 0dBm
6. Total Harmonic Distortion; -70dB MAX @ 20KHz, 1.85Vrms
7. Primary Open Circuit Inductance; 2.0mH ±10% @ 10KHz, 0.1Vrms Measured (1-5) with 2 and 4 shorted
8. Leakage Inductance; 11μH MAX @ 100KHz, 0.1Vrms Measured (1-5) with 2 & 4, and 7 & 9 shorted
9. DC Current; 160mA
10. DC Resistance; (1-4)=1.25 Ω ±10%  
(2-5)=1.25 Ω ±10%  
(7-9)=1.25 Ω ±10%
11. Turns Ratio; (1-4):(2-5)=1:1.00±2%  
(7-9):(1-5)=1:2.00±2%  
2 & 4 shorted
12. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

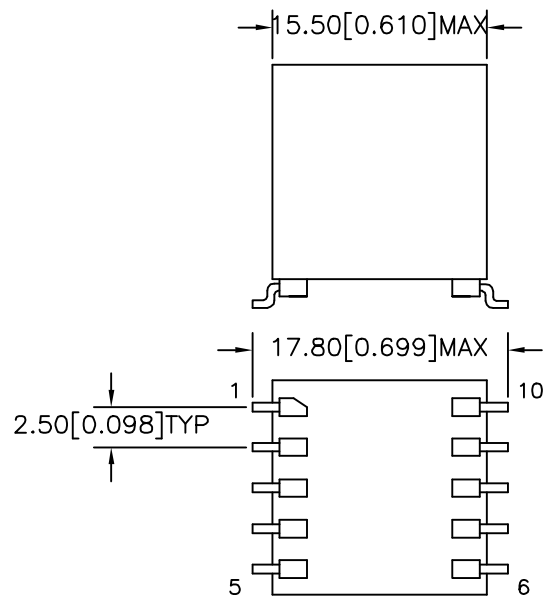
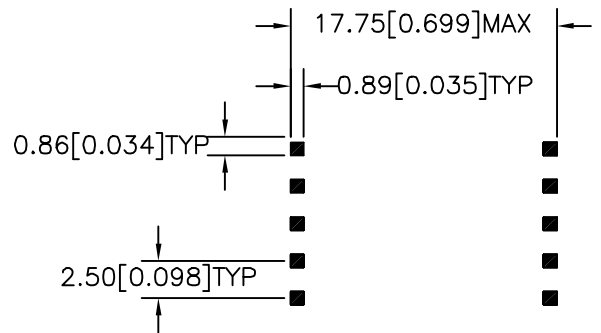
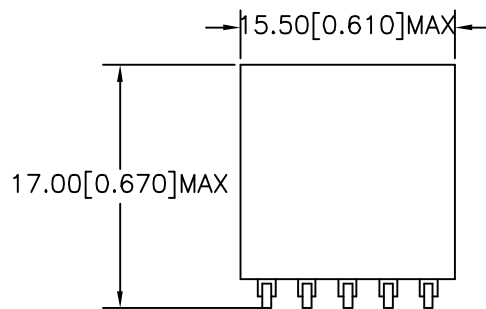
B. Marking; TTC-4021, TAMURA, date code and country of origin

C. Safety; Complies with UL1950 3rd Edition and IEC950

D. Schematic;



E. Mechanical Specifications;



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APPROVED:

J. Coleman

DWG CONTROL NO.  
P-A1-12349  
ACAD\TTC\A1123491.DWG

REV  
**PRE**

HDSL  
TRANSFORMER

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

**TTC-4021**

MODEL SPECIFICATION

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

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