

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

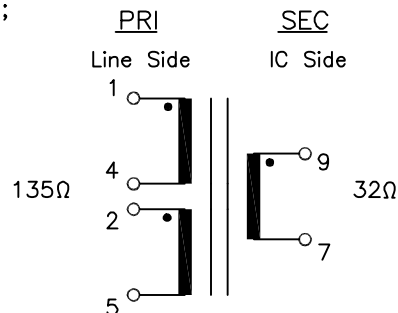
A. Electrical Specifications (@ 25 °C)

1. Primary (Line side) Impedance; 135Ω
2. Secondary (IC side) Impedance; 32Ω
3. Longitudinal Balance; 50dBm MIN @ 40KHz TO 300KHz, 0dBm (Per ITU method pin 7 grounded)
4. Frequency Response; ±0.1dB @ 33KHz to 110KHz, 0dBm
5. Insertion Loss; 0.5dB MAX @ 40KHz, 0dBm
6. Total Harmonic Distortion; -70dB MAX @ 20KHz, 4.5Vp-p
7. Return Loss; 16.5dB MIN @ 40KHz to 300KHz, 0dBm
8. Primary Open Circuit Inductance; 2.0mH ±6% @ 10KHz, 0.1Vrms Measured (1-5) with 2 and 4 shorted
9. Leakage Inductance; 11μH MAX @ 100KHz, 0.1Vrms Measured (1-5) with 2 & 4, and 7 & 9 shorted
10. DC Current; 160mA
11. DC Resistance; (1-4)+(2-5)=2.50Ω MAX
(7-9)=1.00Ω MAX
12. Turns Ratio; (1-4):(2-5)=1:1.00±2%
(7-9):(1-5)=1:2.00±2%
2 & 4 shorted
13. Dielectric Strength; 1875Vrms 1 second @ Pri to Sec

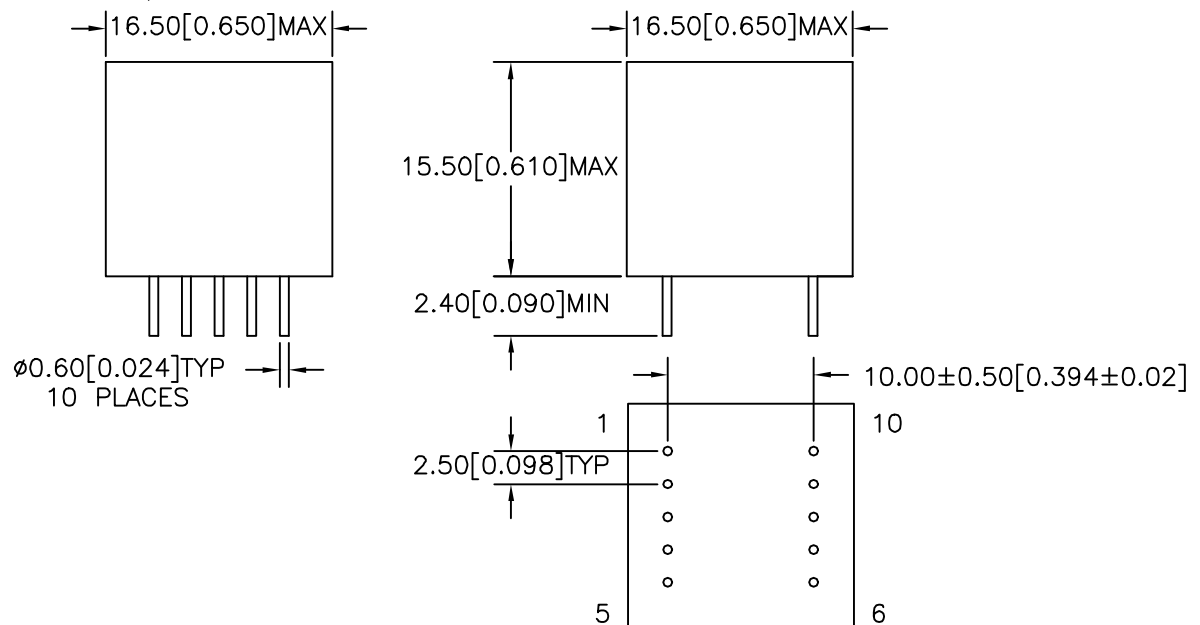
B. Marking; TTC-4020, TAMURA, date code and country of origin

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

D. Schematic;



E. Mechanical Specifications;



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QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.

P-A1-12348

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REV

PRE

HDSL

TRANSFORMER

TAMURA CORPORATION OF AMERICA

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TTC-4020

MODEL SPECIFICATION

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

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MODEL NUMBER

TTC-4020