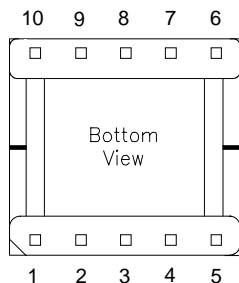
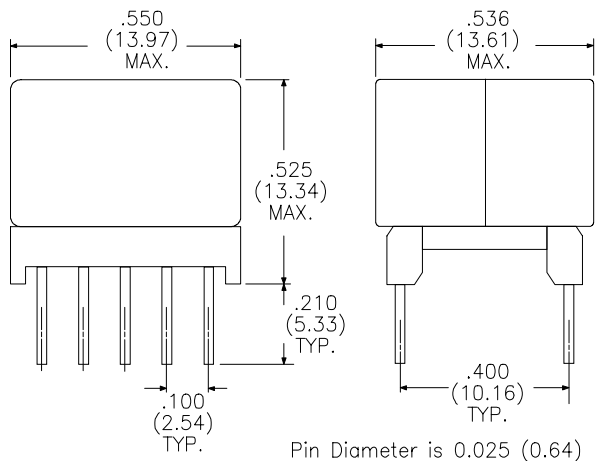


# T-1298 HDSL TRANSFORMER

PARAMETER		UNITS
Turns Ratio	2 : 1 $\pm$ 1%	
Inductance (Line Side) <sup>1</sup>	2.0 $\pm$ 6%	mH
Leakage Inductance <sup>1</sup>	11.0 Max	$\mu$ H
Longitudinal Balance 40 kHz to 300 kHz	50 min.	dB
Primary DC Resistance	2.5 Max.	$\Omega$
Secondary DC Resistance	1.0 Max.	$\Omega$
Frequency Response 33kHz - 110kHz	$\pm$ 0.1	dB
Insertion Loss @ 40kHz $R_s=135\Omega$ $R_L=32\Omega$	0.5 Max.	dB
Isolation (HI-POT)	2050	$V_{RMS}$
Primary DC	160	mA
Return Loss @ 40kHz - 300kHz	16.5 min.	dB
THD (20 KHz, 4.5Vp-p)	70 Min.	dB

Tested at 10 kHz - 0.1VAC



**Physical Dimensions  
in inches (mm)**

Designed to meet UL1950 and EN60950 reinforced insulation for a working voltage of 150V and supplementary insulation for a working voltage of 300V.

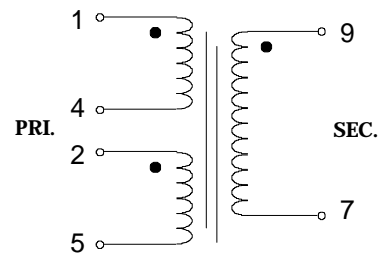
Designed for HDSL applications

Compatible with Brooktree BT8921 & BT8970 at 1168kbs.

Custom versions of this transformer are available.

A Surface Mount version of this transformer is available

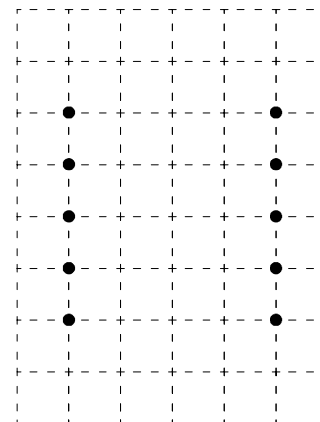
## SCHEMATIC DIAGRAM:



Line Side Pins 1-4 + 2-5  
Device Side Pins 9-7

PIN POSITION GRID 0.100 (2.54)

● HOLES FOR BOBBIN PINS



4/5/99