

# T-976 HDSL TRANSFORMER

Designed for HDSL applications

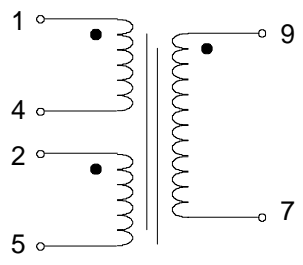
Compatible with Brooktree BT8921 & BT8970 at 1168 kbps

Custom versions of this transformer are available.

A Surface Mount version of this transformer is available

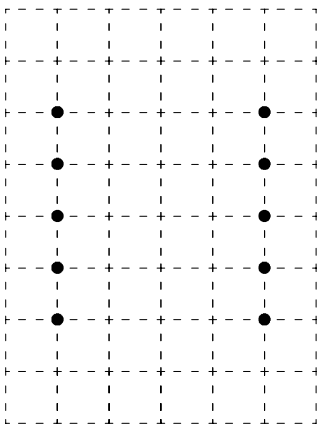
PARAMETER		UNITS
Turns Ratio	2 : 1 ±1%	
Line Impedance	135	Ω
Inductance (Line Side)	2.0 ±6%	mH
Longitudinal Balance 40 kHz to 200 kHz	50 min.	dB
Primary DC Resistance	2.5 Max.	Ω
Secondary DC Resistance	1.0 Max.	Ω
Frequency Response 40kHz - 300kHz	±0.2	dB
Insertion Loss @ 200kHz	0.4	dB
Isolation (HI-POT)	1500	V <sub>RMS</sub>
Primary DC	160	mA
Return Loss @ 40kHz	16.5 min.	dB
THD (40 KHz, 14 dBm)	-70 Min.	dB

**SCHEMATIC DIAGRAM:**

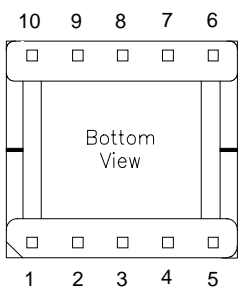
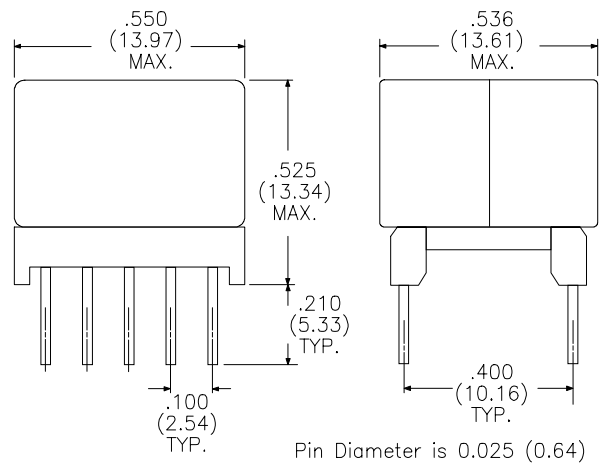


Line Side Pins 1-4 + 2-5  
Device Side Pins 9-7

PIN POSITION GRID 0.100 (2.54)  
● HOLES FOR BOBBIN PINS



**Physical Dimensions in inches (mm)**



1/22/96