

T-1193 HDSL TRANSFORMER

Designed for HDSL applications

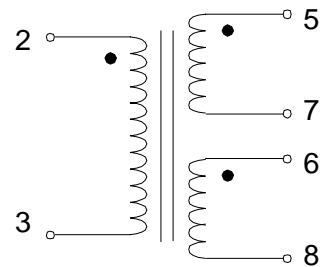
Compatible with Brooktree
BT8970 at 784 kbps

Custom versions of this
transformer are available.

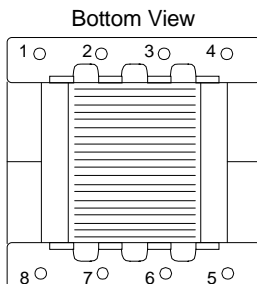
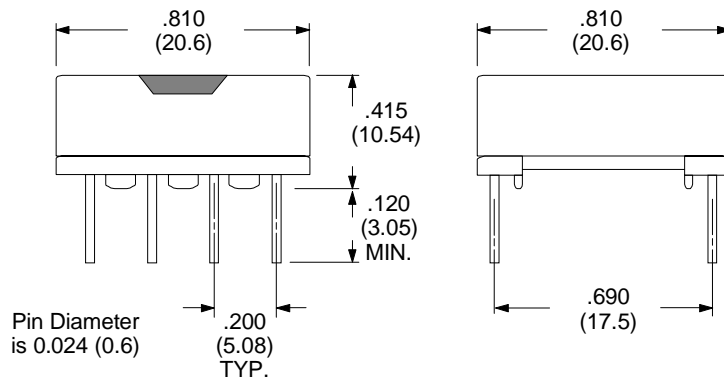
A Surface Mount version of this
transformer is available

PARAMETER		UNITS
Turns Ratio	1 : 2 ±3%	
Line Impedance	135	Ω
Inductance (Line Side)	3.0 ±6%	mH
Longitudinal Balance 40 kHz to 200 kHz	53 min.	dB
Primary DC Resistance	3.6 Max.	Ω
Secondary DC Resistance	1.8 Max.	Ω
Frequency Response 40kHz - 300kHz	±0.2	dB
Insertion Loss @ 200kHz	0.4	dB
Isolation (HI-POT)	1500	V _{RMS}
Primary DC	250	mA
Return Loss @ 40kHz	16 min.	dB
Operating Temperature Range	-40 to +85	°C

SCHEMATIC DIAGRAM



Line Side Pins 5-7 + 6-8
Device Side Pins 2-3



Physical Dimensions
in inches (mm)

2/15/99