LINE INTERFACE TRANSFORMER

Turns Ratio (1-5, shorted 2, 4) : (10 - 6)		2 : 1 ± 2%		
Parameter	Min.	Typ.	Max.	Units
Inductance 1-5 (2,4 shorted)	1.8	2	2.2	mH
Hi-Pot Pin (1,5 to 10,6)	3000			V_{RMS}
Return Loss at 40 - 300kHz	16 (mid-band)			dB
Return Loss at <40kHz	-20(low-band)			dB
Return Loss at >300kHz	-20(high-band)			dB
Longitudinal Balance at 0.5 - 300kHz	53(low-band)			dB
Longitudinal Balance >300kHz	-20(high-band)			dB
Insertion Loss at 40kHz	0.5			dB
Frequency Response at 36 - 580kHz	±0.1			dB
Total Harmonic Distortion [1] at 36 kHz	-70			dB
DC Current	60			mA
Operating Temperature Range	-40° C to 85° C			

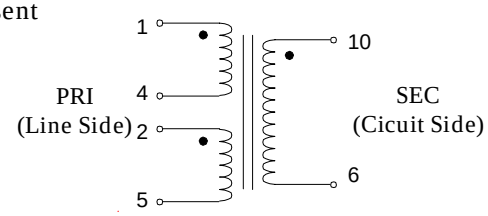
1. Test condition: 14 dBm on line side (135 ohm load) with Dc current present (if applicable).

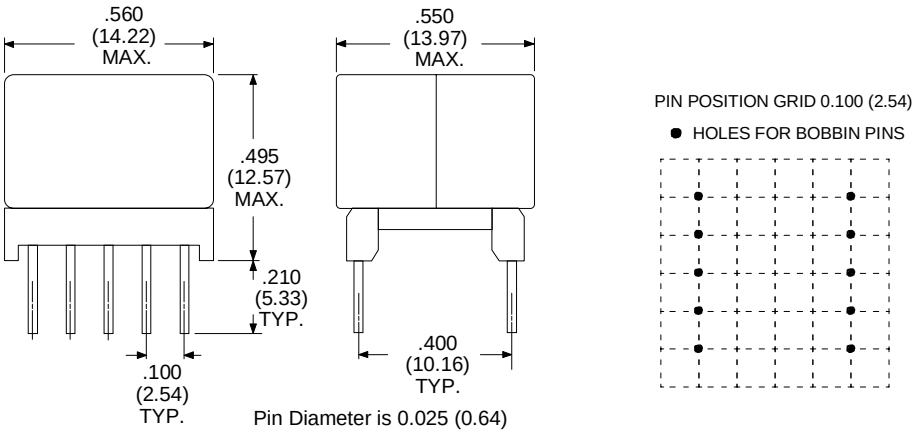
Reinforced Insulation
Per EN 41003 / EN 60950

Designed for use with
Brooktree RS8973

Surface mount version of this part available. Part# T-1273G

Schematic Diagram





Physical Dimensions inches (mm)

Rhombus P/N: **T-1273**	
Cust. P/N:	Name:
Date: **9/10/99**	Sheet: 1 of 1

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