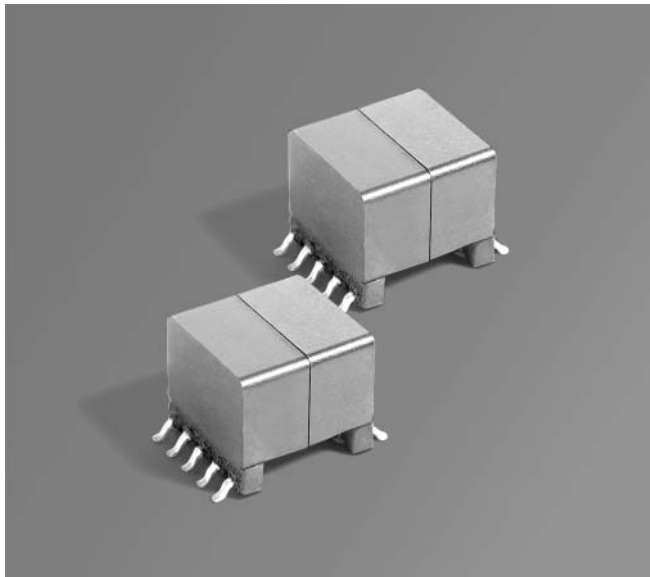


# ADSL Interface Transformers

For Virata  
Beryllium chipset



These transformers provide coupling and line isolation for ADSL interfaces using the Virata Beryllium chip set.

They feature very low leakage inductance, stable primary inductance from  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  and longitudinal balance optimized for the best overall performance at ADSL transmission speeds.

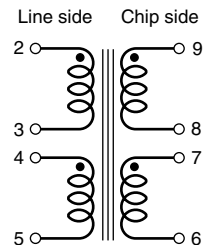
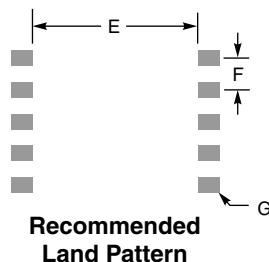
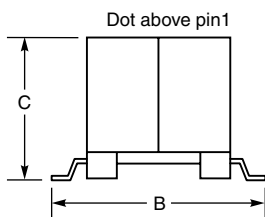
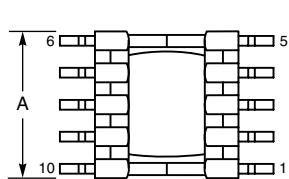
In addition to the standard model shown, Coilcraft can provide custom transformers with other turns ratios.

For free evaluation samples or to discuss custom designs, contact Coilcraft or visit [www.coilcraft.com](http://www.coilcraft.com).

Part number	Style	Chip set	Line side inductance (mH)	Leakage inductance max ( $\mu\text{H}$ )	DCR max (Ohms)	
					Chip side	Line side
X8388-C	SMT	Virata Beryllium	600 $\pm$ 5%	6	1.27 (7-6), 1.19 (9-8)	1.16 (2-3, 4-5)

Part number	Dielectric strength (V)	Turns ratio line: chip	Longitudinal balance min (dB)	Designed to meet
X8388-C	2300	1:1.21	45 (20 kHz – 600 kHz)	UL 1950

1. All electrical specifications referenced to line side.
2. Operating temperature range  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .
3. Electrical specifications at  $25^{\circ}\text{C}$ .



A max	B max	C max	E	F typ	G typ
0.530	0.699	0.500	0.590	0.098	0.061 $\times$ 0.050
13,46	17,75	12,70	14,99	2,50	1,55 $\times$ 1,27

Tape and reel: 175/13" reel 32 mm tape width  
For packaging data see Tape and Reel Specifications section.

**Coilcraft**<sup>®</sup>

Specifications subject to change without notice. Document 255 Revised 11/02/04

1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469  
E-mail [info@coilcraft.com](mailto:info@coilcraft.com) Web <http://www.coilcraft.com>