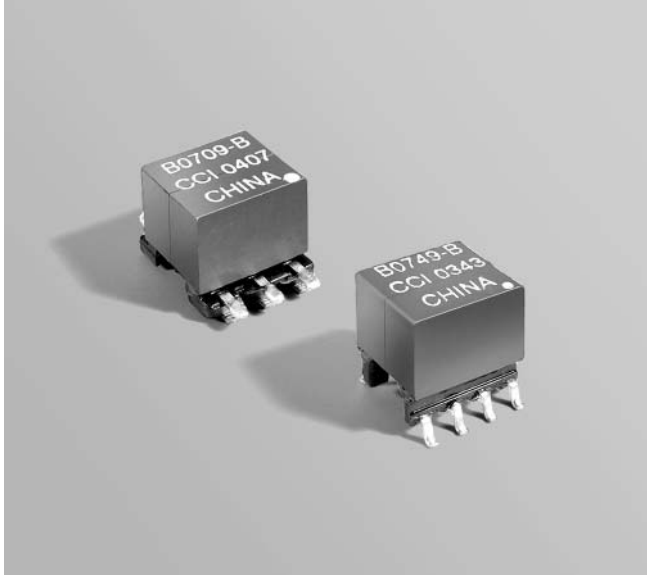


# VDSL Transformers

For Ikanos  
SmartLeap



This product is not RoHS-compliant. Contact Coilcraft for current status or possible alternatives.

These surface mount transformers are designed specifically for use with the Ikanos SmartLeap chipset series for high-speed telecom applications.

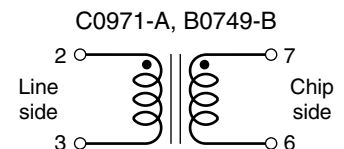
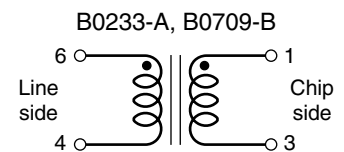
They are available in 6-pin and 8-pin versions for both ANSI and ETSI standards. They all feature 60 dB minimum longitudinal balance, -75 dB maximum harmonic distortion and 1500 V winding-to-winding isolation.

Coilcraft can also custom engineer transformers to meet your specific requirements. For free evaluation samples, contact Coilcraft or visit [www.coilcraft.com](http://www.coilcraft.com).

Part number	Standard	Number of pins	Inductance <sup>1</sup> ±10% (μH)	DCR max (Ohms)		Leakage inductance <sup>2</sup> max (μH)	Turns ratio line : chip	Capacitance <sup>3</sup> max (pF)	Stray capacitance <sup>4</sup> max (pF)
				pri	sec				
B0233-A	ANSI	6	200	1.00	0.184	1.00	3 : 1	10.0	25.0
C0971-A	ANSI	8	200	0.913	0.154	0.70	3 : 1	25.0	25.0
B0709-B	ETSI	6	200	0.913	0.113	0.70	7 : 2	25.0	15.0
B0749-B	ETSI	8	200	0.913	0.113	0.70	7 : 2	25.0	15.0

1. Inductance measured at 100 kHz, 0.1 Vrms, 0 Adc.
2. Leakage inductance tested across the primary with the secondary shorted.
3. Capacitance tested between windings with 0.1 Vrms applied at 80 KHz.
4. Stray capacitance tested across the primary with 0.1 Vrms applied at 2.5 MHz.
5. Operating temperature range -40°C to +85°C.
6. Electrical specifications at 25°C

## Schematics



**Coilcraft**<sup>®</sup>

Specifications subject to change without notice.  
Please check our website for latest information.

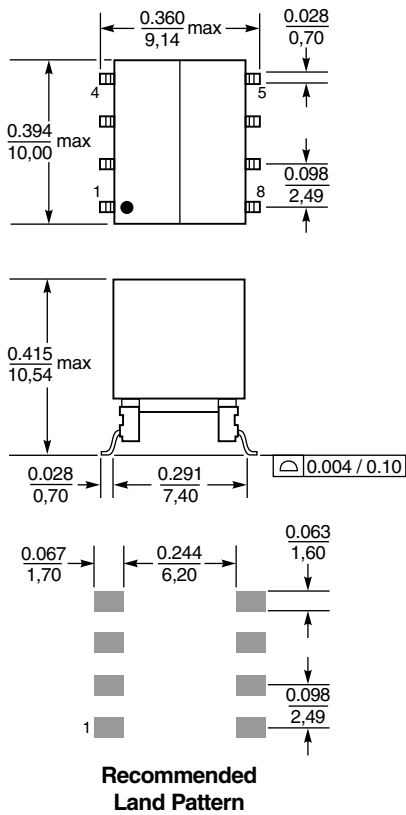
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1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469

E-mail [info@coilcraft.com](mailto:info@coilcraft.com) Web <http://www.coilcraft.com>

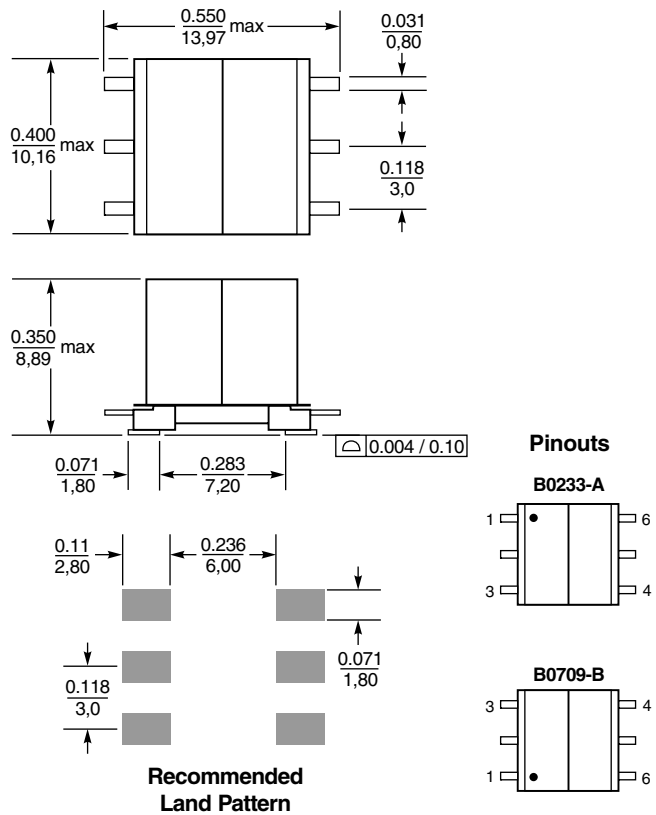
# VDSL Transformers for Ikanos SmartLeap

**B0749-B, C0971-A**



**Tape and reel:** 300/13" reel 32 mm tape width  
For packaging data see Tape and Reel Specifications section.

**B0233-A, B0709-B**



**Tape and reel:** 450/13" reel 24 mm tape width  
For packaging data see Tape and Reel Specifications section.



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1102 Silver Lake Road Cary, Illinois 60013 Phone 847/639-6400 Fax 847/639-1469  
E-mail info@coilcraft.com Web http://www.coilcraft.com