



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# VDSL2 Vectoring Transformer



- VDSL2 Vectoring Transformer
- Compatible with Lantiq's Vinax V3 Chipset, Class H Line Driver
- EN60950 Functional Isolation Compliant - 250Vrms
- RoHS-6 Compliant SMD Product
- Available on Tape and Reel

Electrical Specifications @ 25°C - Operating Temperatures @ -40°C to +85°C

Part Number	OCL Pri (2-7) tie (1+8), (3+6) 10kHz, 100mVrms (uH±10%)	Turns Ratio Pri:Sec 100kHz, 100mVrms ±2%	Leakage Inductance (2-7) tie (1+8) (4+5), (3+6) 1MHz, 100mVrms (uH, Max)	LB 12MHz (dB, Min)	LB 17MHz (dB, Min)	LB 30MHz (dB, Min)	C_iwp (2-7) tie (1+7), (2+8), (3+6), (4+5) 100kHz, 100mVrms (pF Max)	C_iws (4-5) tie (3+5), (4+6), (1+8), (2+7) 100kHz, 100mVrms (pF Max)
BX4289LNL	470	1.4	1.15	-41	-40	-33	75	75
* BX4289LNL	Rdc_p (2-7) tie (8+1) (OHMS Max)	Rdc_s (4-5) tie (6+3) (OHMS Max)	C_iw (2-4) tie (2+7) (4+5), (1+8), (3+6) 100kHz, 100mVrms (pF Max)	THD 25kHz 2.0Vrms (dB Min)	THD 25kHz 2.0Vrms @-40°C (dB typical)	Isolation Voltage Pri:Sec (Vac, 60Sec)	C_Pr Pri side 1 $f.res = \frac{1}{2TT \sqrt{(C_{Pr}) \cdot (L_s)}} \text{ in Hz}$ (pF Max)	
	3.0	1.5	100	-75	-65	1500	10	

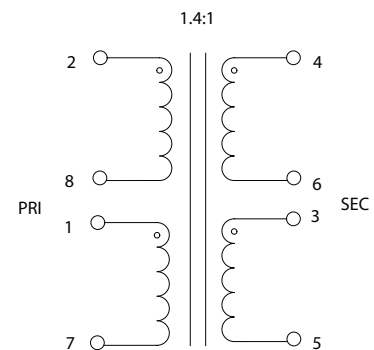
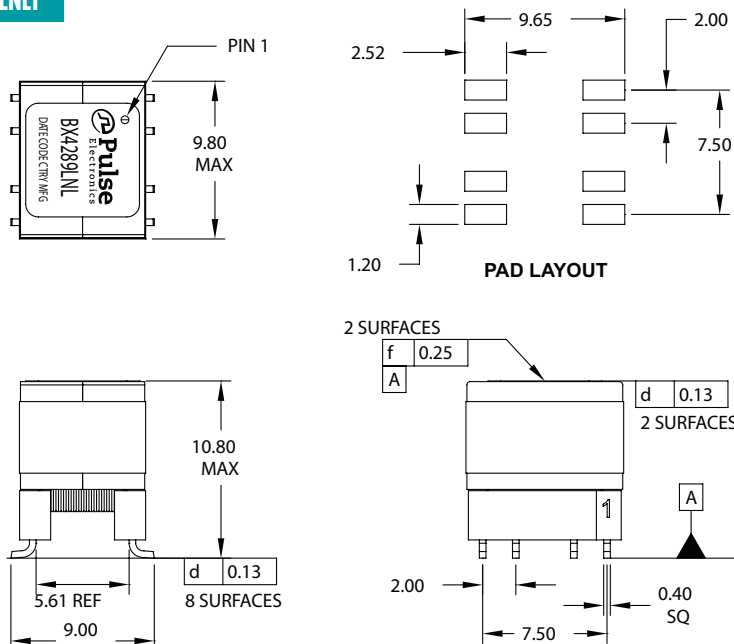
**Notes:**

\* Use this part number to order product to be shipped on Tape & Reel

## Mechanical

## Schematic

**BX4289LNL, BX4289LNL**



Dimensions: mm  
Unless otherwise specified,  
all tolerances are ± 0.1

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