

# 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 $f.res = \frac{1}{2 \sqrt{C_{Pr} \cdot L_s}}$ in Hz (pF Max)	
	3.0	1.5	100	-75	-65	1500	10	

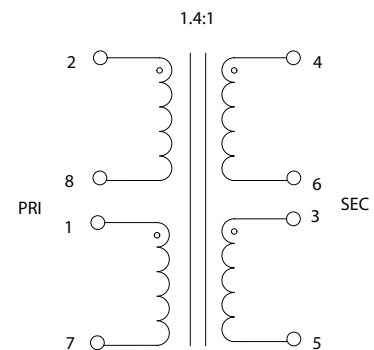
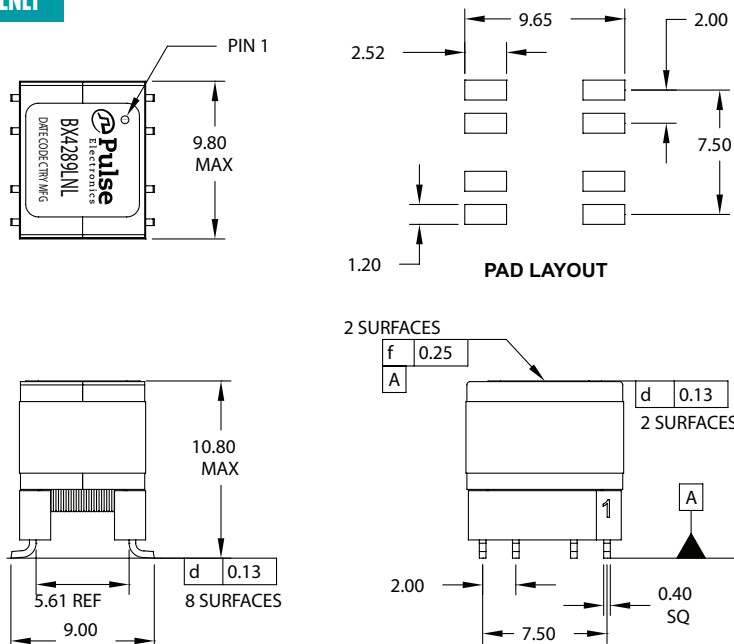
**Notes:**

\* 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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