

VDSL2 Vectoring Transformer



- VDSL2 Vectoring Transformer
- Compatible with Lantiq's Vinax V3 Chipset, Class AB 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)
BX4290LNL	470	1.25	1.15	-41	-40	-33	75	75
* BX4290LNL	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 $f.res = \frac{1}{2\pi\sqrt{(C_{pr}) \cdot (L_s)}} \text{ in Hz}$ (pF Max)	
	3.0	1.5	100	-75	-65	1500	10	10

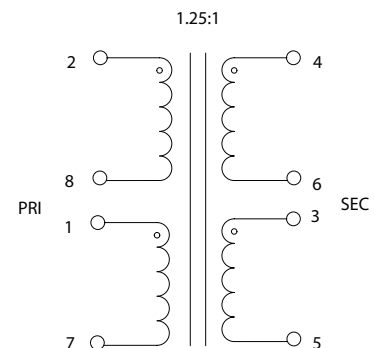
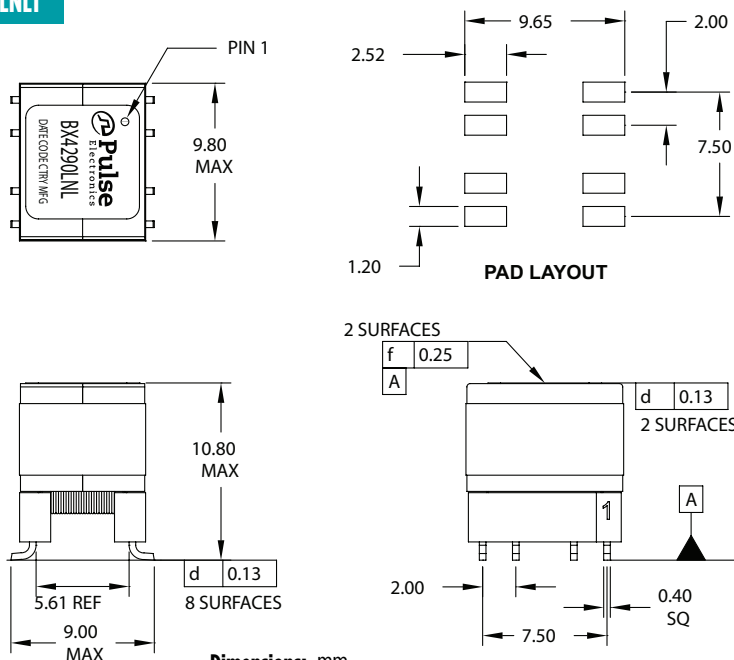
Notes:

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

Mechanical

Schematic

BX4290LNL, BX4290LNL



Dimensions: mm

Unless otherwise specified,
all tolerances are ± 0.1

pulseelectronics.com

VDSL2 Vectoring Transformer

For More Information

Pulse Worldwide Headquarters

12220 World Trade Drive
San Diego, CA
92128
U.S.A.

Tel: 858 674 8100
Fax: 858 674 8262

Pulse Europe

Einsteinstrasse 1
D-71083 Herrenberg
Germany

Tel: 49 7032 78060
Fax: 49 7032 7806 135

Pulse China Headquarters

B402, Shenzhen Academy of
Aerospace Technology Bldg.
10th Kejinan Road
High-Tech Zone
Nanshan District
Shenzhen, PR China
518057
Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China

Room 2704/2705
Super Ocean Finance
Ctr.
2067 Yan An Road
West
Shanghai 200336
China

Tel: 86 21 62787060
Fax: 86 2162786973

Pulse South Asia

135 Joo Seng Road
#03-02
PM Industrial Bldg.
Singapore 368363

Tel: 65 6287 8998
Fax: 65 6287 8998

Pulse North Asia

3F, No. 198
Zhongyuan Road
Zhongli City
Taoyuan County 320
Taiwan R. O. C.

Tel: 886 3 4356768
Fax: 886 3 4356823 (Pulse)
Fax: 886 3 4356820 (FRE)

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2013. Pulse Electronics, Inc. All rights reserved.