



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



30MHz VDSL2 & Vectored VDSL Transformer



- POTS VDSL2 and Vectored Transformer
- Compatible with Broadcoms BCM65x00 chipset family integrating Vectoring Technology
- Designed to help Meet ITU K20e Level Testing Requirements
- EN60950-1 Functional Isolation Compliant - 250Vrms
- RoHS-6 Compliant SMD Product
- Available on Tape & Reel

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

| Part Number | OCL Line (1-4) with (2-3) shorted 10kHz, 100mVrms ±10% | Turns Ratio (1-4): (8-5) with (2-3, 6-7) shorted 100kHz, 100mVrms ±2% | Leakage Inductance (1-4) with others shorted 100kHz, 100mVrms (uH, Max) | LB 12MHz (dB, Max) | LB 17MHz (dB, Max) | LB 30MHz (dB, Max) | THD 30kHz 3.0Vrms (dB, Min) | THD 30kHz 3.0Vrms (dB, Typical) @ -40°C |
|-------------|--|---|---|---------------------------|--------------------------|---|--|---|
| BX4285LNL | 430 | 1.4:1 | 1.0 | -45 | -42 | -30 | -60 | -60 |
| BX4286LNL | 100 | 1.4:1 | 1.0 | -45 | -42 | -30 | -60 | -60 |
| | DCR (1-4) with (2-3) shorted (OHMS Max) | DCR (8-5) with (6-7) shorted (OHMS Max) | C _{ww} Line to Chip 100kHz, 100mVrms (pF Max) | IL 300kHz ~ 8MHz (dB Max) | IL 8MHz ~ 30MHz (dB Max) | Isolation Voltage (1-3) to (2-4) (Vrms, 6Sec) | Isolation Voltage Line to Chip (Vrms, 60Sec) | |
| BX4285LNL | 1.0 | 1.0 | 35 | 0.5 | 3.5 | 750 | 1500 | |
| BX4286LNL | 1.0 | 1.0 | 35 | 0.5 | 3.5 | 750 | 1500 | |

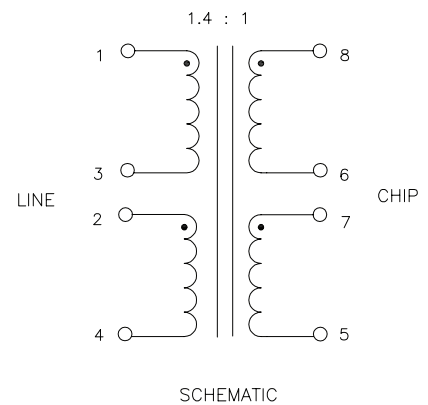
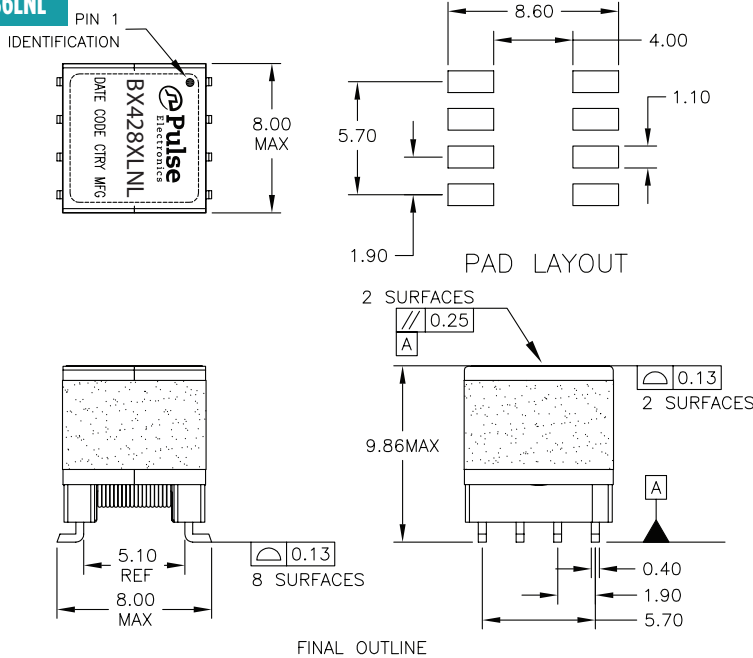
Notes:

Add "T" suffix to part number to order on Tape & Reel i.e. BX4285LNLT, BX4286LNLT

Mechanical

Schematic

BX4285LNL/BX4286LNL



Weight1.4 grams
Tray100/tray
Tape & Reel.....300/tray
Dimensions: mm
 Unless otherwise specified,
 all tolerances are ± 0.1

30MH VDSL2 & Vectored VDSL 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 Herren-
berg
Germany

Tel: 49 7032 78060
Fax: 49 7032 7806 135

Pulse China Headquarters

B402, Shenzhen Academy of
Aerospace Technol-
ogy Bldg.
10th Kejinan Road
High-Tech Zone
Nanshan District
Shenzen, 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)

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