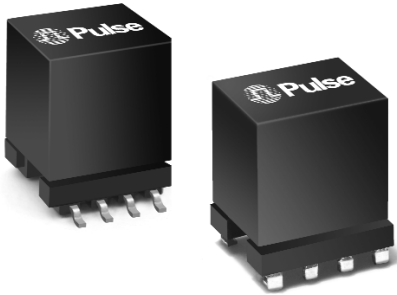


ADSL LINE TRANSFORMERS

For GlobespanVirata CO Chipsets



- Approved by GlobespanVirata for use in Annex A and Annex C, Central Office applications
- Small footprint minimizes board space
- Excellent THD performance
- Designed to meet UL1950 and EN60950 supplementary insulation requirements for working voltages up to 250 Vrms

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

Part Number ¹	Surface Mount Leads	Chipset(s)	ADSL CO Termination	Turns Ratio Line : Chip (±2%)	Inductance @ 10 kHz, 100 mV (1-4) with (2-3) shorted	Leakage Inductance @ 100 kHz, 0.1 Vrms Line Side	DC Resistance	
							Line Side (1-4) with (2-3) shorted	Chip Side ²
BX2373JB	J-Lead	Titanium™ Fourte, Titanium™ Fourte RT, and Titanium™ G16	Active	1.15CS:1CS	474 µH ±10%	10 µH MAX	2.5 Ω MAX	2.2 Ω MAX
BX2373WA	Gull-Wing							
BX2369JB	J-Lead		Passive	1.41CS:1CS	474 µH ±6%	10 µH MAX	2.2 Ω MAX	1.7 Ω MAX
BX2369WA	Gull-Wing							
B2414JB	J-Lead	Jupiter™	Active	0.95CS:1CS	750 µH ±7%	5 µH MAX	1.5 Ω MAX	1.5 Ω MAX
B2414WA	Gull-Wing							

Additional Electrical Specifications

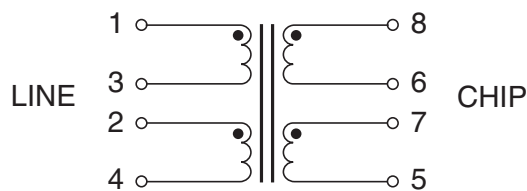
Part Number ¹	Longitudinal Balance (from 20 kHz to 1.0 MHz)	THD @ 150 kHz (100 Ω)	Insertion Loss at 100 Ω (dB)	Interwinding Capacitance (@ 100 kHz, 0.1 Vrms)	Isolation Voltage (60 sec)
BX2373JB	≤ -45 dB	≤ -85 dB (@ 12 Vpp)	≤ 0.50 (150 kHz to 300 kHz) ≤ 1.00 (1.0 MHz)	≤ 50 pF	1500 Vrms
BX2373WA					
BX2369JB	≤ -45 dB	≤ -85 dB (@ 15 Vpp)	≤ 1.00 (150 kHz to 1.0 MHz)	≤ 50 pF	1500 Vrms
BX2369WA					
B2414JB	≤ -45 dB (to 1.1 MHz)	≤ -85 dB (@ 12 Vpp)	≤ 0.40 (150 kHz to 300 kHz) ≤ 0.75 (1.0 MHz)	≤ 50 pF	1500 Vrms
B2414WA					

NOTES:

- Transformers are shipped in trays unless Tape & Reel packaging is specified by adding the suffix "T" to the part number (i.e. BX2373JBT).
- Chip Side DCR Measurements: **Schematic A** = (8-5) with (6-7) shorted; **Schematic B** = (8-6) with (5-7) shorted.

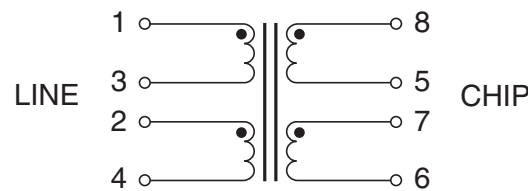
Schematics

BX2373WA/BX2369WA/B2414WA



Schematic A

BX2373JB/BX2369JB/B2414JB



Schematic B

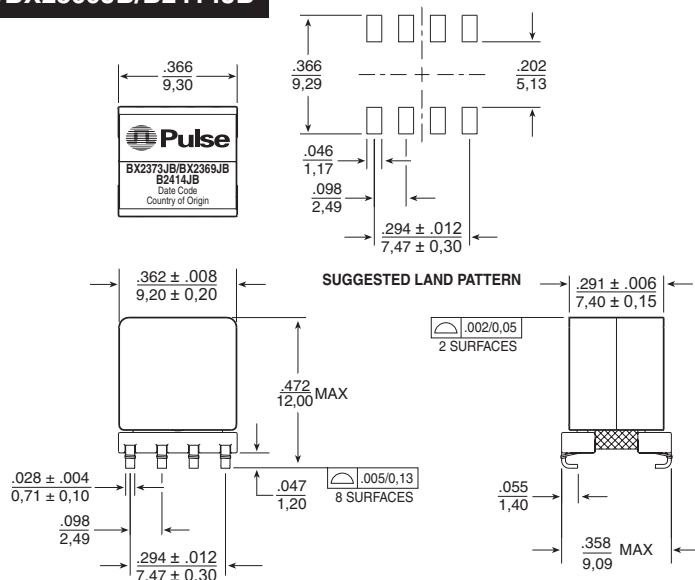
ADSL LINE TRANSFORMERS

For GlobespanVirata CO Chipsets



Mechanicals

BX2373JB/BX2369JB/B2414JB

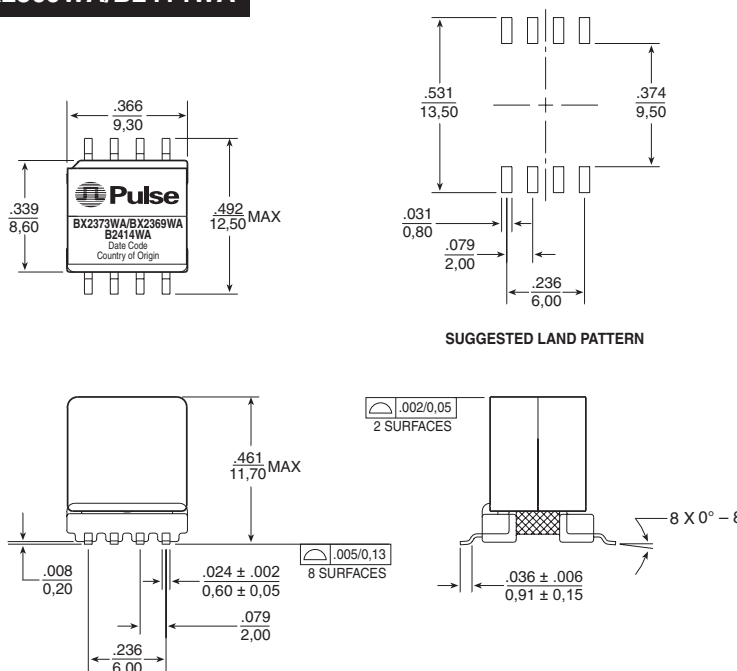


Weight 4.0 grams
Tape & Reel 175/reel
Tray 105/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.004}{0.10}$

BX2373WA/BX2369WA/B2414WA



Weight 3.8 grams
Tape & Reel 190/reel
Tray 105/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.004}{0.10}$

For More Information :

UNITED STATES (Worldwide)

12220 World Trade Drive
San Diego, CA 92128
U.S.A.
<http://www.pulseeng.com>
TEL: 858 674 8100
FAX: 858 674 8262

UNITED KINGDOM (Northern Europe)

1 & 2 Huxley Road
The Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom
TEL: 44 1483 401700
FAX: 44 1483 401701

FRANCE (Southern Europe)

Zone Industrielle
F-39270
Orgelet
France
TEL: 33 3 84 35 04 04
FAX: 33 3 84 25 46 41

SINGAPORE (Southern Asia)

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324
TEL: 65 287 8998
FAX: 65 280 0080

TAIWAN, R.O.C. (Northern Asia)

3F-4, No. 81, Sec. 1
HsinTai Wu Road
Hsi-Chih, Taipei Hsien
Taiwan, R.O.C.
Tel: 886 2 2698 0228
FAX: 886 2 2698 0948

HONG KONG (China/Hong Kong)

19/F, China United Plaza
1008 Tai Nan West Street
Cheung Sha Wan, Kowloon
Hong Kong, China
TEL: 852 2788 6588
FAX: 852 2776 1055

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