




# VDSL LINE TRANSFORMER

## For Use With Infineon Chipsets



-  Matched to Infineon VDSL 5000i and 6000i chipset
-  For CO applications over frequency range of 138kHz to 12MHz
-  Designed to meet operational insulation requirements

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

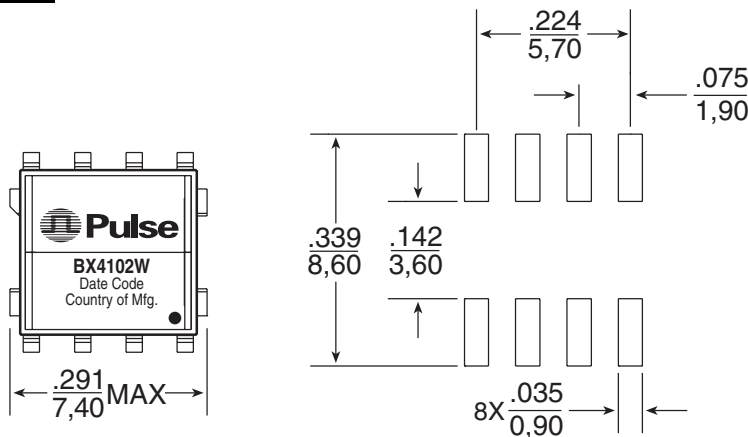
| Part Number | Turns Ratio (Pri:Sec) | OCL Primary (mH MIN) | THD 80kHz, 2.0Vp-p (dB MIN) | Isolation Voltage (Line:Chip) |
|-------------|-----------------------|----------------------|-----------------------------|-------------------------------|
| BX4102W     | 1.33:1                | 2.0                  | -80                         | 1500Vrms                      |

NOTE: Transformers are shipped in trays unless Tape & Reel packaging is specified by adding the suffix "T" to the part number (i.e. BX4102WT).

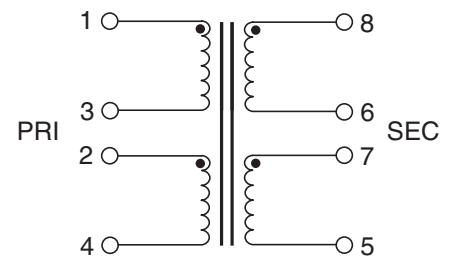
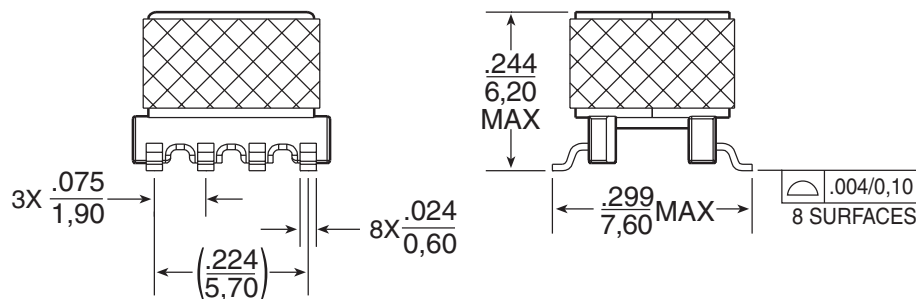
### Mechanical

### Schematic

#### BX4102W



#### SUGGESTED PAD LAYOUT



Weight ..... 0.8 grams  
Tape & Reel ..... .550/reel  
Tray ..... .170/tray

Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
Unless otherwise specified,  
all tolerances are  $\pm \frac{.010}{0.25}$

### For More Information:

| UNITED STATES<br>(Worldwide)  | UNITED KINGDOM<br>(Northern Europe)  | FRANCE<br>(Southern Europe)   | SINGAPORE<br>(Southern Asia)  | TAIWAN, R.O.C.<br>(Northern Asia)   | HONG KONG<br>(China/Hong Kong)   | DISTRIBUTOR |
|---|--|---|---|---|--|-------------|
| 12220 World Trade Drive<br>San Diego, CA 92128<br>U.S.A.<br>http://www.pulseeng.com<br>TEL: 858 674 8100<br>FAX: 858 674 8262 | 3 Huxley Road<br>Surrey Research Park<br>Guildford, Surrey GU2 5RE<br>United Kingdom<br>TEL: 44 1483 401700<br>FAX: 44 1483 401701 | Zone Industrielle<br>F-39270<br>Orgelet<br>France<br>TEL: 33 3 84 35 04 04<br>FAX: 33 3 84 25 46 41 | 150 Kampong Ampat<br>#07-01/02<br>KA Centre<br>Singapore 368324<br>TEL: 65 6287 8998<br>FAX: 65 6280 0080 | 3F-4, No. 81, Sec. 1<br>HsinTai Wu Road<br>Hsi-Chih, Taipei Hsien<br>Taiwan, R.O.C.<br>Tel: 886 2 2698 0228<br>FAX: 886 2 2698 0948 | Unit 11, 11/F<br>Wah Lai Industrial Centre<br>10-14 Kwei Tei Street,<br>Fotan, Shatin, Hong Kong<br>TEL: 852 2788 6588<br>FAX: 852 2776 1055 |             |

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.

©2005, Pulse Engineering, Inc. All Rights Reserved.