

# ADSL DLC TRANSFORMER

## For GlobeSpan CO Chipsets



- For use in Remote Terminal (RT) applications such as Digital Loop Carriers (DLC) and Multiple Dwelling Units (MDU)
- Small footprint minimizes board space
- Matched to GlobeSpan's Titanium™ Fourte RT, Titanium™ FourtePlus ILD, and ATLAS chipsets

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

| Part Number | Mounting | Turns Ratio Chip - Line (±2%) | Inductance @ 100 kHz, 0.1 Vrms (4-6) | Leakage Inductance @ 100 kHz, 0.1 Vrms (4-6) | DC Resistance   |                 |
|-------------|----------|-------------------------------|--------------------------------------|----------------------------------------------|-----------------|-----------------|
|             |          |                               |                                      |                                              | Chip Side (1-3) | Line Side (4-6) |
| BX2367      | SMT      | 1:2                           | 530 µH ±5%                           | 15 µH MAX                                    | ≤ 0.46 Ω        | ≤ 1.62 Ω        |

### Additional Electrical Specifications

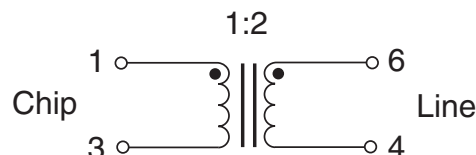
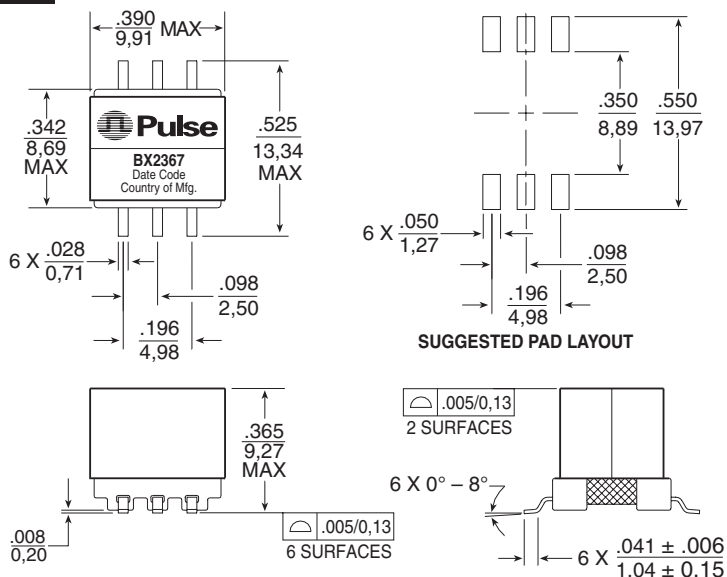
| Part Number | Total Harmonic Distortion (@ 50 kHz, 100 Ω) | Insertion Loss (@ 100 kHz) | Interwinding Capacitance (@ 100 kHz) | Isolation Voltage (6 sec) |
|-------------|---------------------------------------------|----------------------------|--------------------------------------|---------------------------|
| BX2367      | ≤ -70 dB (2.5 Vpp)                          | ≤ 0.50 dB                  | ≤ 100 pF                             | 650 Vrms                  |

NOTE: Transformers are shipped in trays unless Tape & Reel packaging is specified by adding the suffix "T" to the part number (i.e. BX2367T).

## Mechanical

## Schematic

### BX2367



Weight ..... 2.7 grams  
Tape & Reel ..... 400/reel  
Tray ..... 80/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><a href="http://www.pulseeng.com">http://www.pulseeng.com</a><br>TEL: 858 674 8100<br>FAX: 858 674 8262 | 1 & 2 Huxley Road<br>The 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: 65 287 8998<br>FAX: 65 280 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 | 19/F, China United Plaza<br>1008 Tai Nan West Street<br>Cheung Sha Wan, Kowloon<br>Hong Kong, China<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.