

# XDSL SPLITTER FILTER MODULE



- POTS Central Office Splitter for standard ADSL applications
- For use with ANSI T1.413 standard
- This module is part of a standard series with footprint compatibility
- Patent pending
- ADSL2+ compatible
- NL version: RoHS-6 compliant

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

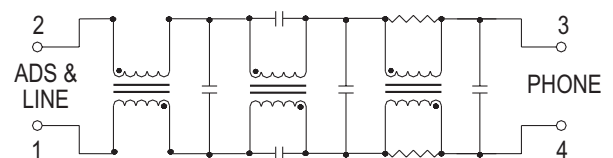
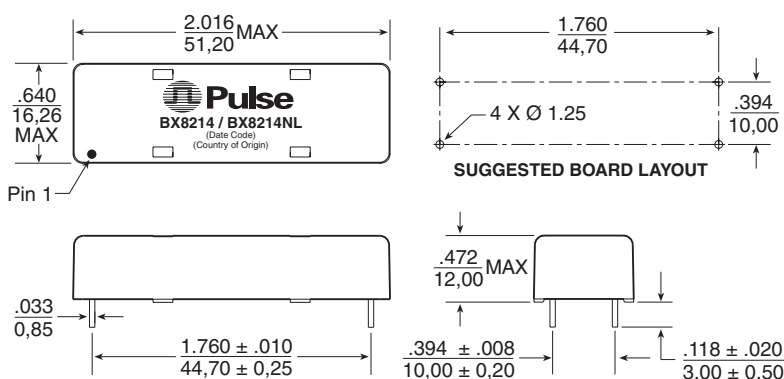
| PARAMETER   | FREQUENCY              |                       |
|---|------------------------|-----------------------|
| POTS Impedance  | 100Hz to 4kHz          | 800 Ω    100 Ω + 50nF |
| POTS Insertion Loss   | 1kHz                   | 0.6dB MAX             |
| POTS Attenuation Distortion relative to 1kHz<br>NOTE: Attenuation is positive value, gain is negative | 200Hz to 3.4kHz        | -1.5 to +0.5dB        |
|   | 3.4kHz to 4kHz         | -1.5 to +1.0dB        |
| POTS Delay Distortion   | 600Hz to 4kHz          | 200µSec MAX           |
| POTS Return Loss  | 200Hz (SRL-L)          | 5dB MIN               |
|   | 1kHz (ERL)             | 8dB MIN               |
|   | 2.2kHz (SRL-H)         | 5dB MIN               |
| intermodulation Distortion (2nd and 3rd harmonics)  | 4-Tone IEEE 743 signal | -60dB MIN             |
| Longitudinal Balance  | 200Hz to 3.2kHz        | -58dB MIN             |
| Tip to Ring Capacitance   | 20Hz to 30Hz           | 115nF MAX             |
| ADSL Insertion Loss   | 30kHz to 300kHz        | -65dB MIN             |
|   | 300kHz to 2.2MHz       | -55dB MIN             |
| ADSL Input Impedance Loading  | 30kHz to 2.2MHz        | 0.25dB MAX            |
| DC Current  |                        | 100mA MAX             |
| Total DC Resistance   |                        | 25Ω MAX               |
| Tip to Ring Isolation   |                        | 600Vdc MIN            |

NOTE: For VDSL2 (30MHz) compatible version, refer to BX8214V.

## Mechanical

## Schematic

### BX8214 / BX8214NL



Weight ..... 15 grams  
Tray ..... .35/tray

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

Unless otherwise specified,  
all tolerances are  $\pm \frac{.004}{0,10}$

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