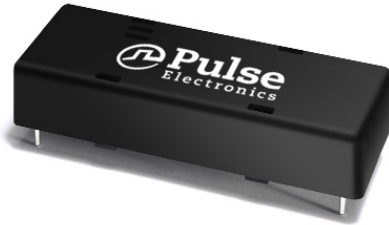


XDSL Splitter Filter Module

BX8214 / BX8214NL

Smart Series



- Ⓜ 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 Approved
- Ⓜ 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 | 200Hz to 3.4kHz | -1.5 to +0.5dB |
| NOTE: Attenuation is positive value, gain is negative | 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 |

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

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

Taiwan 886 3 4356768

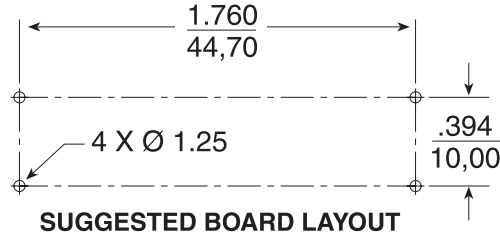
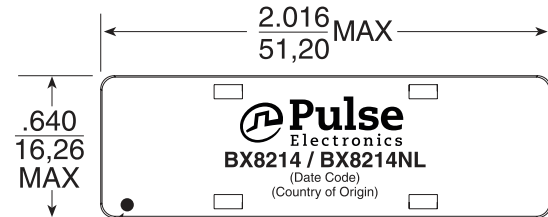
XDSL Splitter Filter Module

BX8214 / BX8214NL

Smart Series

Mechanical

BX8214 / BX8214NL

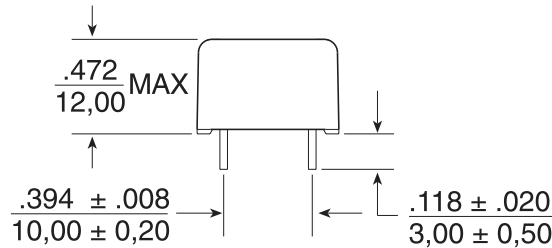
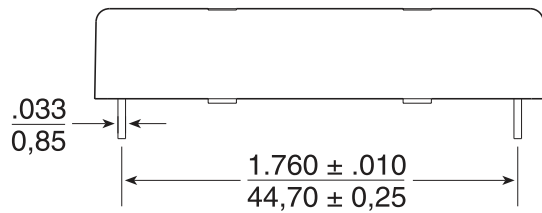


Weight15 grams

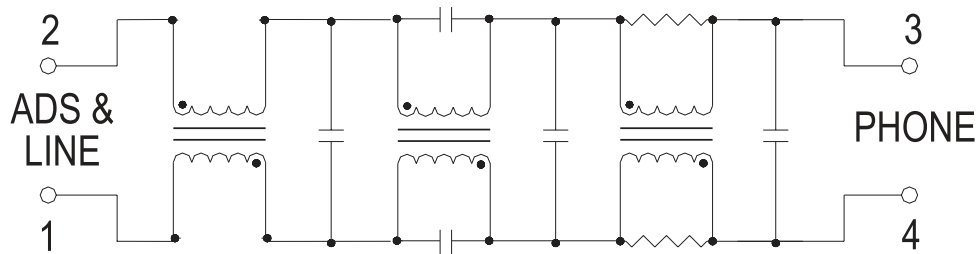
Tray35/tray

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

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



Schematic



For More Information

Pulse Worldwide Headquarters
12220 World Trade Drive
San Diego, CA
92128
U.S.A.

Pulse Europe
Einsteinstrasse 1
D-71083 Herrenberg
Germany

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)

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. © Copyright, 2012. Pulse Electronics, Inc. All rights reserved.