

XDSL SPLITTER FILTER MODULE



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

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

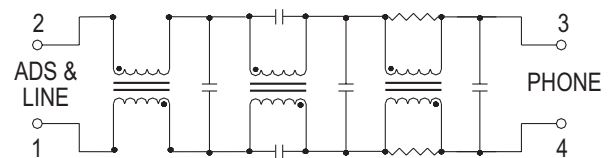
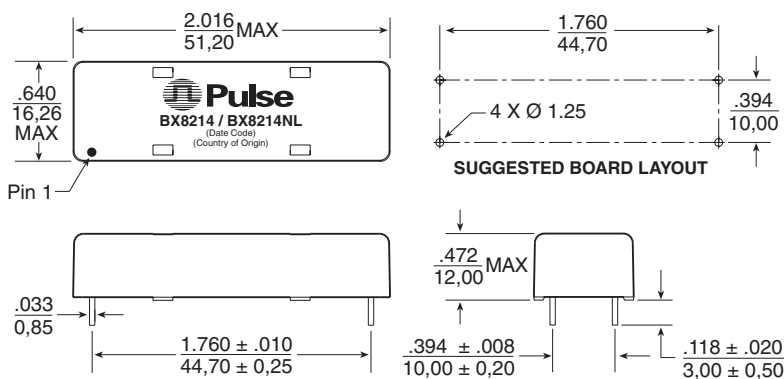
PARAMETER	FREQUENCY	
POTS Impedance	100Hz to 4kHz	800 Ω 100 Ω + 50nF
POTS Insertion Loss	1kHz	0.6dB MAX
POTS Attenuation Distortion relative to 1kHz NOTE: Attenuation is positive value, gain is negative	200Hz to 3.4kHz	-1.5 to +0.5dB
	3.4kHz to 4kHz	-1.5 to +1.0dB
POTS Delay Distortion	600Hz to 4kHz	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
Tray35/tray

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

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

For More Information:

Pulse Worldwide Headquarters

12220 World Trade Dr.
San Diego, CA 92128
U.S.A.
www.pulseeng.com

Tel: 858 674 8100
Fax: 858 674 8262

Pulse Europe

Einsteinstrasse 1
D-71083 Herrenberg
Germany

Tel: 49 7032 7806 0
Fax: 49 7032 7806 12

Pulse China Headquarters

B402, Shenzhen
Tech-Innovation International
Tenth Kejian Rd.
High-Tech Industrial Park
Nanshan District, Shenzhen
China

Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China

Room 1503
XinYin Building
No. 888 YiShan Rd.
Shanghai 200233
China

Tel: 86 21 54643211/2
Fax: 86 21 54643210

Pulse South Asia

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324

Tel: 65 6287 8998
Fax: 65 6280 0080

Pulse North Asia

No. 26
Kao Ching Rd.
Yang Mei Chen
Taoyuan Hsien
Taiwan, R. O. C.

Tel: 886 3 4641811
Fax: 886 3 4641911

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, 2007. Pulse Engineering, Inc. All rights reserved.

www.pulseeng.com

B878.B (8/07)