

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.

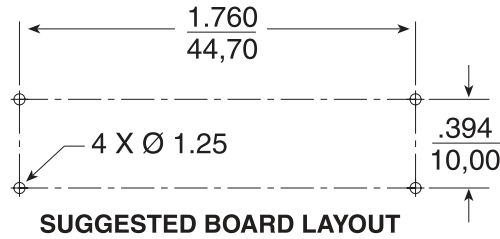
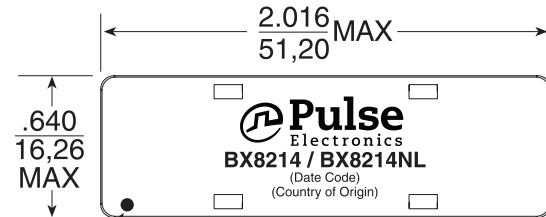
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Mechanical

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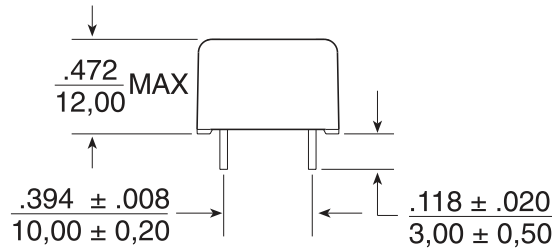
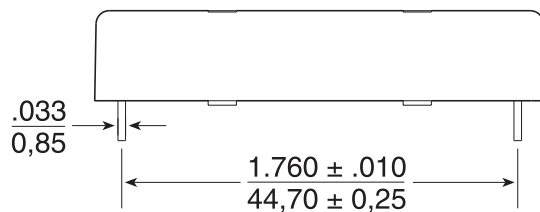


Weight15 grams

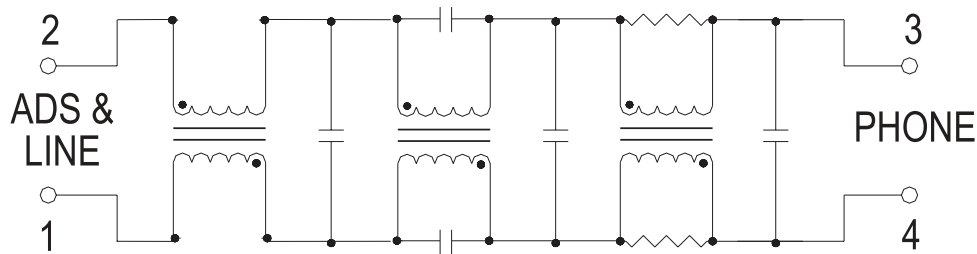
Tray35/tray

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

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



Schematic



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