

XDSL Splitter Filter Module

BX8214V / BX8214VNL

Smart Series



- ☒ POTS Central Office Splitter for standard ADSL and VDSL applications
- ☒ For use with ANSI T1.413 standard
- ☒ Part of a standard series with footprint compatibility
- ☒ Patent Approved
- ☒ ADSL2+ compatible
- ☒ Compatible with VDSL2 30MHz
- ☒ 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 |
| VDSL Insertion Loss | 30kHz to 300kHz | -65dB MIN |
| | 300kHz to 2.2MHz | -55dB MIN |
| 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

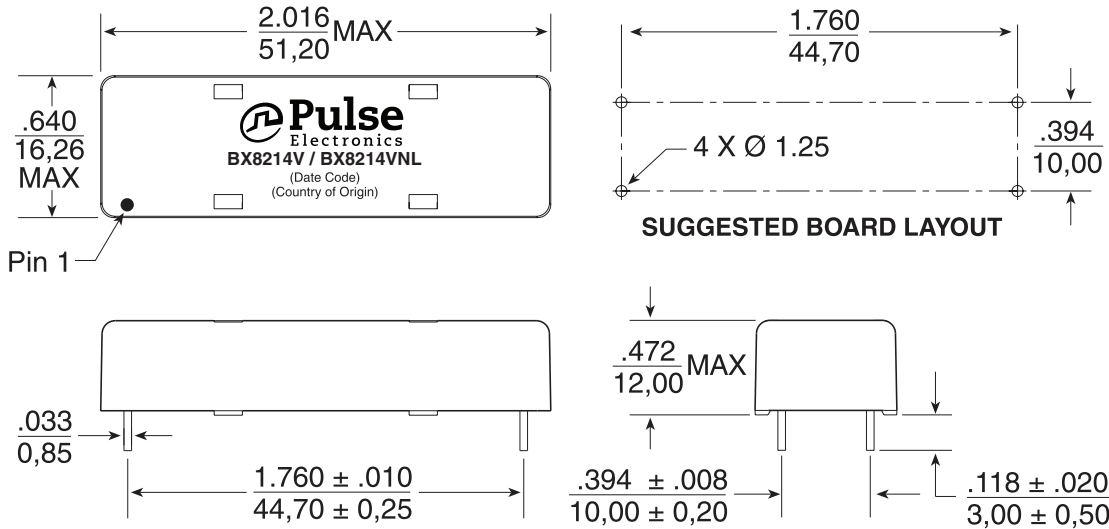
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Mechanical

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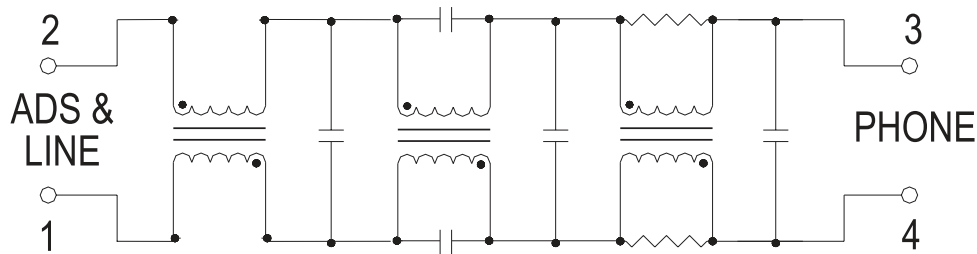
Weight15 grams

Tray35/tray

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

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

Schematic



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