ADSL POTS CPE Splitter

BX8296NL





- POTS CPE Splitter Filter Module for standard ADSL and ADSL2+ VOIP applications
- 😷 Complies with ANSI TI.421 standard for applications in North America
- Footprint is compatible with a range of Pulse Splitter Filter Modules
- RoHS-6 compliant

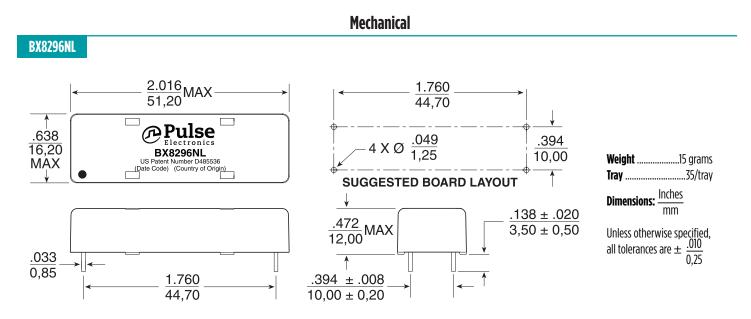
Smart Series

| Electrical Specifications @ 25°C | | |
|---|--|--|
| DC Characteristics | | |
| Network port at 20mA | ≤25Ω | |
| Tip and Ring to Ground at \leq 100dc / \geq 100Vc and \leq 200Vdc | >10MΩ / >30kΩ | |
| Operating Current | 5 to 90mA | |
| Operating Voltages | | |
| Network tip to ring | 0 to -80Vdc | |
| Network tip to ring level with ringing signal of 17 to 23Hz and 40 to 106Vrms | -20 to -80Vdc | |
| On-hook Voice Band Insertion Loss | | |
| Single filter / With 5 filters | -0.5dB to 1.5dB / -1.0dB to 6.5dB | |
| On-hook Voice Band Insertion Loss Distortion | | |
| Single filter, 200 to 1000Hz / With 5 filters | -1.5dB to 1.5dB / -5.5dB to 2.0dB | |
| Single filter, 1 to 2.8kHz / With 5 filters | -1.5dB to 1.5dB / -2.0dB to 2.0dB | |
| On – or Off – hook Envelope Delay 300Hz – 2800Hz | <250µs | |
| Off-hook Voice Band Insertion Loss | | |
| Single filter / With 5 filters | -0.5dB to 1.5dB / -1.0dB to 6.5dB | |
| Off-hook Voice Band Insertion Loss Distortion | | |
| Single filter, 200 to 3400Hz / With 5 filters | -1.0dB to 0.5dB / -1.5dB to 2.5dB | |
| Single filter, 3.4 o 4kHz / With 5 filters | -1.5dB to 1.0dB / -2.0dB to 3.25dB | |
| Off-hook impedance distortion | | |
| Phone Port: SRL Low / ERL / SRL High | > 13dB / > 9dB / >3dB | |
| Network Port: SRL Low / ERL / SRL High | > 12dB / > 10dB / >5dB | |
| Inter-Modulation Distortion Second and Third order products | > 60dB | |
| On-hook High Band Stopband Attenuation | | |
| From 25 to 50kHz and from 50kHz to 12MHz, between 20 and 90mA | > 12dB | |
| Off-hook High Band Stopband Attenuation | | |
| From 25 to 50kHz, between 20 and 90mA / between 7 and 20mA | > 21dB / > 13dB | |
| From 50 to 12kHz, between 20 and 90mA / between 7 and 20mA | > 25dB / > 22dB | |
| Bridging Loss | | |
| Single filter, 25 kHz to 1.2MHz / With 5 filters | < 0.5dB / < 1.25dB | |
| Single filter, 25 kHz to 1.2MHz / With 5 filters | < 3.0dB / < 4.0dB | |
| USA 858 674 8100 Germany 49 7032 7806 0 Singapore 65 6287 8998 Shanghai 86 | 21 62787060 China 86 755 33966678 Taiwan 886 3 43563 | |

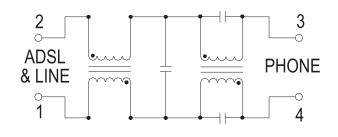
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Schematic



| For More Information | | | | | | |
|--|--|---|---|---|--|--|
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