

ADSL POTS CPE SPLITTER FILTER MODULE



- POTS CPE Splitter Filter Module for standard ADSL and ADSL2+ VOIP applications
- Complies with ANSI T1.421 standard for applications in North America
- Footprint is compatible with a range of Pulse Splitter Filter Modules
- RoHS-6 compliant

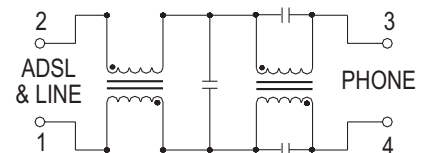
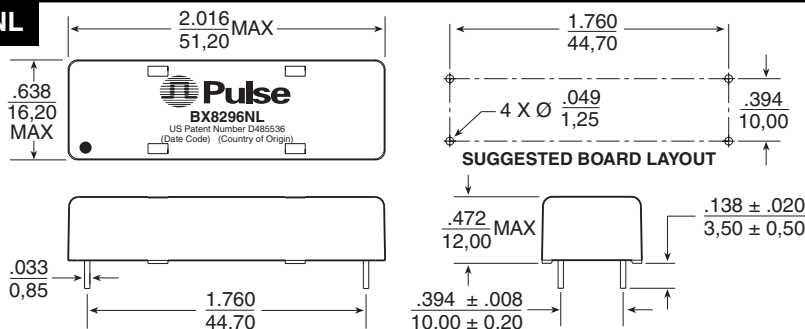
Electrical Specifications @ 25°C

DC Resistance	
Network port at 20mA	<25Ω
Tip and Ring to Ground at ≤ 100Vdc / ≥ 100Vdc and ≤ 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 0.5dB / -1.0dB to 1.0dB
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 to 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 50k to 12MHz, 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	<3.0 dB / <4.0dB

Mechanical

Schematic

BX8296NL



Weight 15 grams

Tray35/tray

Dimensions: Inches
mm

Unless otherwise specified, all tolerances are ± .010
0,25

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