





# ADSL POTS CPE Splitter

BX8270NL

Smart Series



-  POTS CPE Splitter Filter Module for standard ADSL and ADSL+ VOIP applications
-  Complies with ITU G.992.1 Annex E2 standard for applications in Korea/Asia
-  Footprint is compatible with a range of Pulse Splitter Filter Modules
-  RoHS-6 compliant

## Electrical Specifications @ 25°C

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<b>DC Characteristics</b>	
DC Resistance from tip to ground and from ring to ground / tip-to-ring	$\geq 5M\Omega / \leq 25\Omega$
DC Feeding Current	0 to 100mA
DC POTS tip-to-ring voltages / Ringing Signals at 20Hz to 30Hz	0 to -60V / < 103Vrms
<b>Voice Band Insertion Loss at 1kHz</b>	
Short Loop / Long Loop	< 1.0dB / < 0.75dB
<b>Voice Band Attenuation Distortion at 1kHz</b>	
Between 0.2 and 3.4kHz (short loop) / (long loop)	+1.5 to -1.5dB / +0.5 to -1.5dB
Between 3.4 and 4.0kHz (short loop) / (long loop)	+2.0 to -2.0dB / +1.0 to -1.5dB
<b>Voice Band Delay Distortion</b>	
Between 0.6 and 3.2kHz (short and long loops) / Between 0.2 and 4.0kHz	< 200 $\mu$ s / < 250 $\mu$ s
<b>Voice Band Return Loss</b>	
ERL / SRL-L	> 6dB / > 5dB
SRL-H (single freq.)	> 3 dB (> 2 dB)
<b>Intermodulation Distortion at -9Bm</b>	
Second Order / Third Order	$\geq 57$ dB / $\geq 60$ B
<b>Longitudinal Balance per IEEE Method (2-port testing technique)</b>	
Between 200 Hz and 1 kHz / Between 1 kHz and 3 kHz	> 58 dB / > 53 dB
<b>Capacitance</b>	
Tip-to-ring without modem / Capacitance to ground	20 to 115nF / < 1.0nF
<b>DSL Stop Band Attenuation with input level of 10dBm</b>	
Between 32 and 300kHz / Between 300kHz and 15MHz	> 65dB / > 55dB
<b>DSL Insertion Loss from 30kHz to 2.2MHz with input level of -10dBm</b>	
	$\leq 0.25$ dB

**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

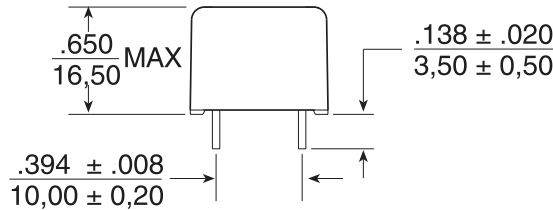
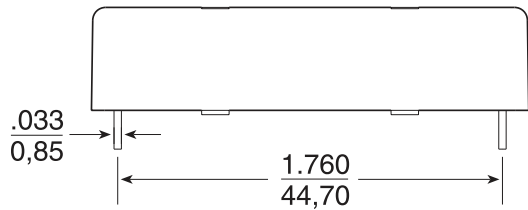
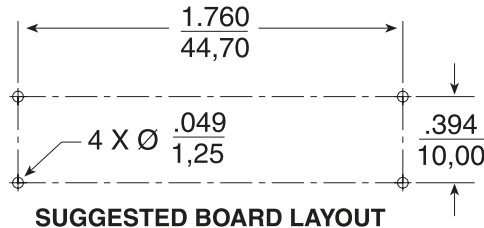
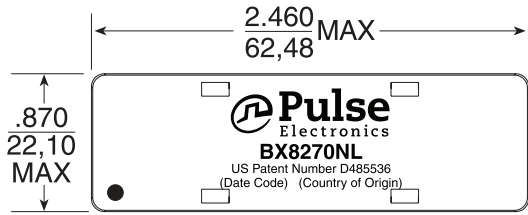
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## Mechanical

**BX8270NL**



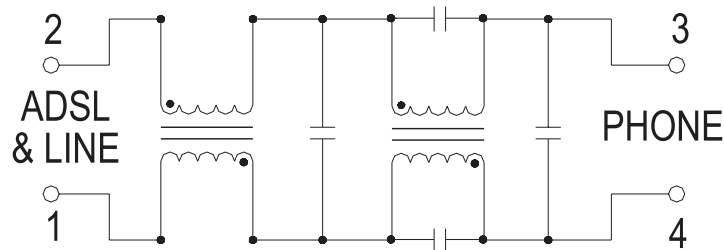
**Weight** .....15 grams

**Tray** .....35/tray

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

Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0,25}$

## Schematic



## For More Information

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