

ADSL POTS CPE SPLITTER FILTER MODULE



- POTS CPE Splitter Filter Module for standard ADSL and ADSL2+ 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



Pulse[®]
A TECHNITROL COMPANY

Electrical Specifications @ 25°C

DC Characteristics

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 / $< 103V_{rms}$

Voice Band Insertion Loss at 1kHz

Short Loop / Long Loop	$< 1.0dB / < 0.75dB$
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Voice Band Attenuation Distortion at 1kHz

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 -2.0 dB / +1.0 to -1.5 dB

Voice Band Delay Distortion

Between 0.6 and 3.2kHz (short and long loops) / Between 0.2 and 4.0kHz	$< 200\mu s / < 250\mu s$
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Voice Band Return Loss

ERL / SRL-L	$> 6dB / > 5dB$
SRL-H (single freq.)	$> 3 dB (> 2 dB)$

Intermodulation Distortion at -9dBm

Second Order / Third Order	$\geq 57dB / \geq 60dB$
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Longitudinal Balance per IEEE Method (2-port testing technique)

Between 200 Hz and 1 kHz / Between 1 kHz and 3 kHz	$> 58 dB / > 53 dB$
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Capacitance

Tip-to-ring without modem / Capacitance to ground	20 to 115nF / $< 1.0nF$
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DSL Stop Band Attenuation with input level of 10dBm

Between 32 and 300kHz / Between 300kHz and 15MHz	$> 65dB / > 55dB$
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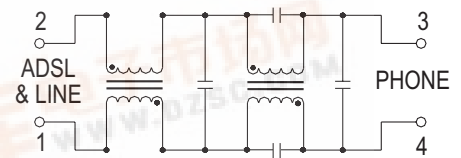
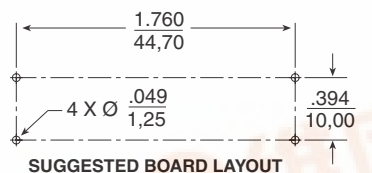
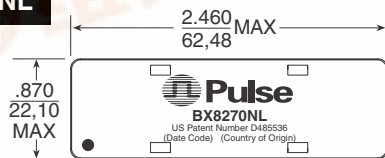
DSL Insertion Loss from 30kHz to 2.2MHz with input level of -10dBm

$\leq 0.25dB$

Mechanical

Schematic

BX8270NL



Weight 15 grams

Tray 35/tray

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

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

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