

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

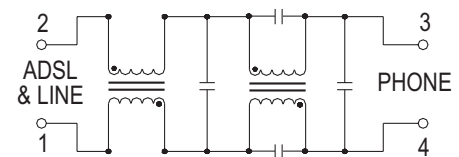
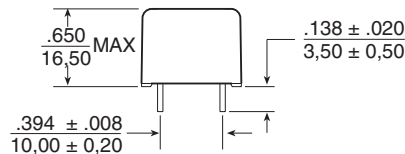
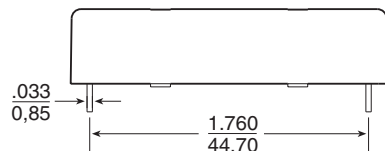
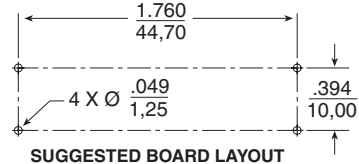
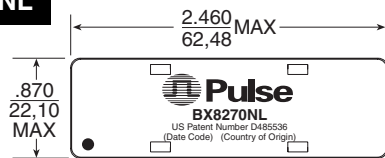
Electrical Specifications @ 25°C

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	$< 1.0dB / < 0.75dB$
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	$< 200\mu s / < 250\mu s$
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	$\geq 57dB / \geq 60dB$
Longitudinal Balance per IEEE Method (2-port testing technique)	
Between 200 Hz and 1 kHz / Between 1 kHz and 3 kHz	$> 58 dB / > 53 dB$
Capacitance	
Tip-to-ring without modem / Capacitance to ground	20 to 115nF / $< 1.0nF$
DSL Stop Band Attenuation with input level of 10dBm	
Between 32 and 300kHz / Between 300kHz and 15MHz	$> 65dB / > 55dB$
DSL Insertion Loss from 30kHz to 2.2MHz with input level of -10dBm	
	$\leq 0.25dB$

Mechanical

Schematic

BX8270NL



Weight15 grams
Tray35/tray

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

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

For More Information:

Pulse Worldwide Headquarters

12220 World Trade Dr.
San Diego, CA 92128
U.S.A.
www.pulseeng.com

Tel: 858 674 8100
Fax: 858 674 8262

Pulse Europe

Einsteinstrasse 1
D-71083 Herrenberg
Germany

Tel: 49 7032 7806 0
Fax: 49 7032 7806 12

Pulse China Headquarters

B402, Shenzhen
Tech-Innovation International
Tenth Kejinan Rd.
High-Tech Industrial Park
Nanshan District, Shenzhen
China

Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China

Room 1503
XinYin Building
No. 888 YiShan Rd.
Shanghai 200233
China

Tel: 86 21 54643211/2
Fax: 86 21 54643210

Pulse South Asia

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324

Tel: 65 6287 8998
Fax: 65 6280 0080

Pulse North Asia

No. 26
Kao Ching Rd.
Yang Mei Chen
Taoyuan Hsien
Taiwan, R. O. C.

Tel: 886 3 4641811
Fax: 886 3 4641911

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