

XDSL SPLITTER FILTER MODULE



- Ⓢ POTS and ISDN Central Office Splitter for ADSL over ISDN applications
- Ⓢ LPF matched to 150Ω line impedance for ISDN 4B3T applications
- Ⓢ LPF matched to DT complex impedance ($Z_R = 220\Omega + 820\Omega / 115nF$) for POTS applications
- Ⓢ Filter complies with ETSI TS 101 952-1-4
- Ⓢ ADSL2+ compatible
- Ⓢ NL version: RoHS-6 compliant

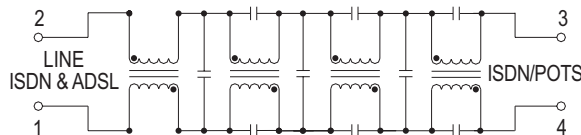
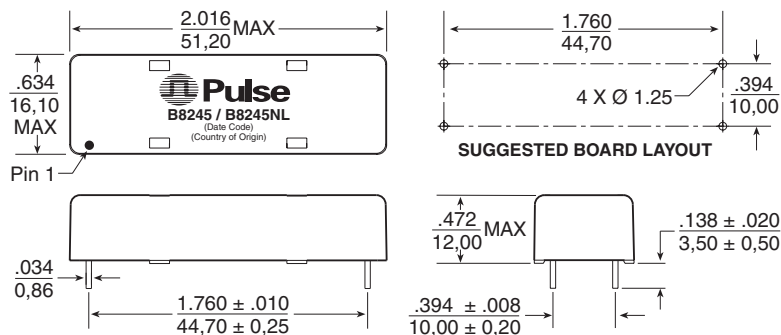
Electrical Specifications @ 25°C

PARAMETER	FREQUENCY	
ISDN Impedance	1kHz to 80kHz	150Ω NOM
ISDN Insertion Loss	1kHz to 60kHz	-1.2dB MAX
	60kHz to 80kHz	-2.0dB MAX
ISDN Return Loss	1kHz to 60kHz	-16dB MIN
	60kHz to 80kHz	-14dB MIN
ISDN Group Delay	1kHz to 80kHz	20μs MAX
POTS Impedance	200Hz to 4kHz	220Ω + 820Ω / 115nF
POTS Insertion Loss	1kHz	-1.0dB MAX
POTS Insertion Loss Distortion	200Hz to 4kHz difference to 1kHz	
	300Hz to 1.6kHz	1.0dB MAX
POTS Return Loss	1.6kHz to 3.4kHz	-15dB MIN
	100Hz to 4kHz	-12dB MIN
POTS Group Delay	100Hz to 4kHz	250μs MAX
	138kHz to 150kHz	-55dB MIN
ADSL Insertion Loss	150kHz to 1.1MHz	-65dB MIN
	1.1MHz to 2.2MHz	-55dB MIN
DC Current		80mA MAX
Total DC Resistance		12.5Ω MAX
<i>For Information - behavior at VDSL frequencies:</i>		
ADSL Insertion Loss	2.2MHz to 12MHz	-55dB MIN
	12MHz to 30MHz	-45dB MIN

Mechanical

Schematic

B8245/ B8245NL



Weight11 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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