

XDSL SPLITTER FILTER MODULE



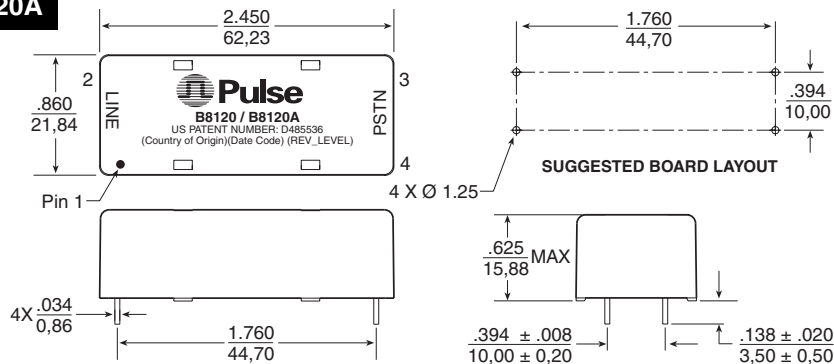
-  POTS CO Splitter with Signature Circuit for ANSI ADSL applications
-  UL 60950 certification pending for operational construction
-  Part of a standard series which has footprint compatibility
-  ADSL2+ compatible

Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

PARAMETER	FREQUENCY	
POTS Impedance	100Hz to 4kHz	800Ω 100Ω + 50nF
POTS Insertion Loss	1kHz	0.6dB MAX
POTS Attenuation Distortion relative to 1 kHz	200Hz to 3.4kHz	-1.5 - +0.5dB
NOTE: Attenuation is positive value, gain is negative	3.4kHz to 4kHz	-1.5 - +1.0dB
POTS Delay Distortion	600Hz to 4kHz	200μSec MAX
POTS Return Loss	200Hz (SRL-L)	5dB MIN
	1kHz (ERL)	8dB MIN
	2.2kHz (SRL-H)	5dB MIN
intermodulation Distortion (2nd and 3rd harmonics)	4-Tone IEEE 743 signal	250μs MAX
Longitudinal Balance	200Hz to 3.2kHz	-58dB MIN
Tip to Ring Capacitance	20Hz to 30Hz	115nF MAX
ADSL Insertion Loss	30kHz to 300kHz	-65dB MIN
	300kHz to 2.2MHz	-55dB MIN
ADSL Input Impedance Loading	30kHz to 2.2MHz	0.25dB MAX
DC Current		100mA MAX
Total DC Resistance		25Ω MAX
Tip to Ring Isolation		600Vdc MIN
For Information - behavior at VDSL frequencies:	2.2MHz to 12MHz	-60dB MIN
ADSL Insertion Loss	12MHz to 30MHz	-40dB MIN

Mechanical

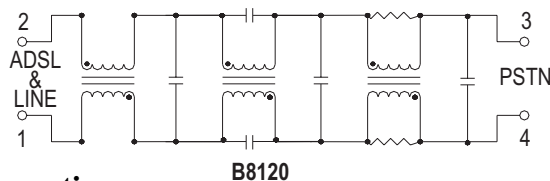
B8120/B8120A



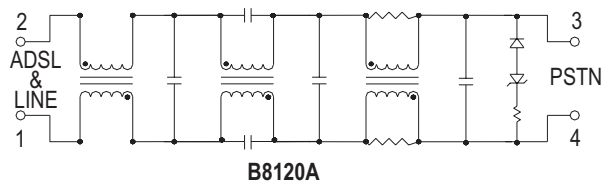
Weight26 grams
Tray30/tray

Dimensions: Inches
mm
Unless otherwise specified,
all tolerances are ± .010
0.25

Schematic



B8120



B8120A

For More Information:

Pulse Worldwide Headquarters

12220 World Trade Drive
San Diego, CA 92128
U.S.A.
www.pulseeng.com
TEL: 858 674 8100
FAX: 858 674 8262

Pulse Northern Europe

3 Huxley Road
Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom
TEL: 44 1483 401700
FAX: 44 1483 401701

Pulse Southern Europe

Zone Industrielle
F-39270
Orgelet
France
TEL: 33 3 84 35 04 04
FAX: 33 3 84 25 46 41

Pulse China Headquarters

No. 1
Industrial District
Changan, Dongguan
China
TEL: 86 769 5538070
FAX: 86 769 5538870

Pulse North China

Room 1002
No. 819
Nanjing West Rd
Shanghai
China
TEL: 86 21 32181071
FAX: 86 21 32181396

Pulse South Asia

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324
TEL: 65 6287 8998
FAX: 65 6280 0080

Pulse North Asia

3F-4, No. 81, Sec. 1
Hsin Tai Wu Road
Hsi-Chih
Taipei Hsien
Taiwan
TEL: 886 2 26980228
FAX: 886 2 26980948

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.

© Copyright, 2005. Pulse Engineering, Inc. All rights reserved.

www.pulseeng.com

B827.B (9/05)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

B8120A