

# XDSL SPLITTER FILTER MODULE



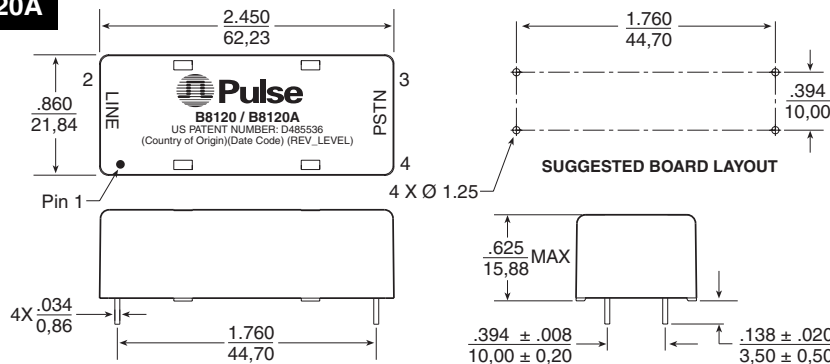
- POTS CO Splitter with Signature Circuit for ANSI ADSL applications
- UL 60950 certification pending for operational construction
- Part of a standard series which has footprint compatibility
- ADSL2+ compatible

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

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

## Mechanical

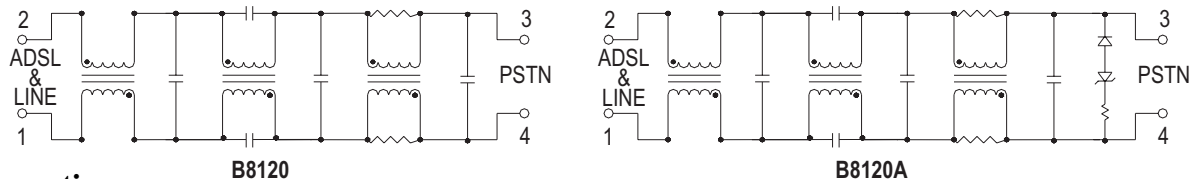
### B8120/B8120A



Weight ..... .26 grams  
Tray ..... .30/tray

**Dimensions:** Inches  
mm  
Unless otherwise specified,  
all tolerances are ± .010  
0,25

## Schematic



## For More Information:

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