

XDSL Splitter Filter Module



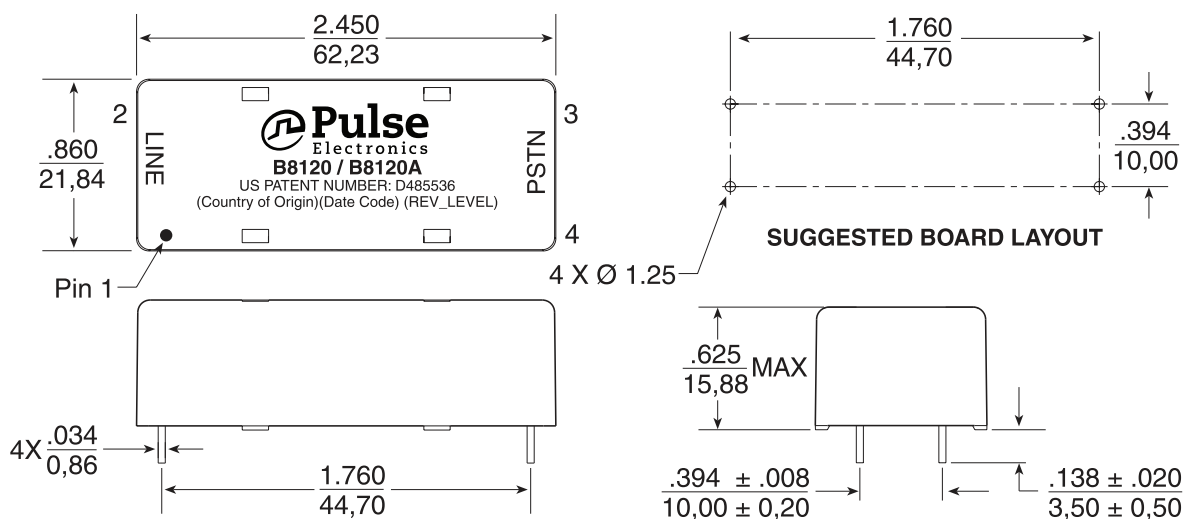
-  POTS Central Office Splitter for standard ADSL applications
-  UL 60950 certification pending for operational construction
-  Part of a standard series which has footprint compaibility
-  ADSL2+ compatible

Electrical Specifications @ 25°C - Operating Temperature -40°C to +85°C		
PARAMETER	FREQUENCY	
POTS Impedance	100Hz to 4Hz	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	3.4Hz to 4kHz	-1.5 - + 1.0dB
POTS Delay Distortion	600Hz to 4kHz	200μSec MAX
POTS Return Loss	200Hz (SRL-L)	5dB MAX
	1kHz (ERL)	8dB MAX
	2.2kHz (SRL-H)	5dB MAX
Intermodulation Distortion (2nd and 3rd harmonics)	4-Tone IEEE 743 signal	250μSec 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

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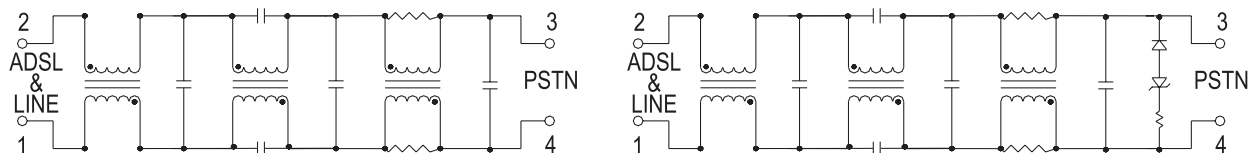
Mechanical

B8120/B8120A



Schematics

B8120/B8120A



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