





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

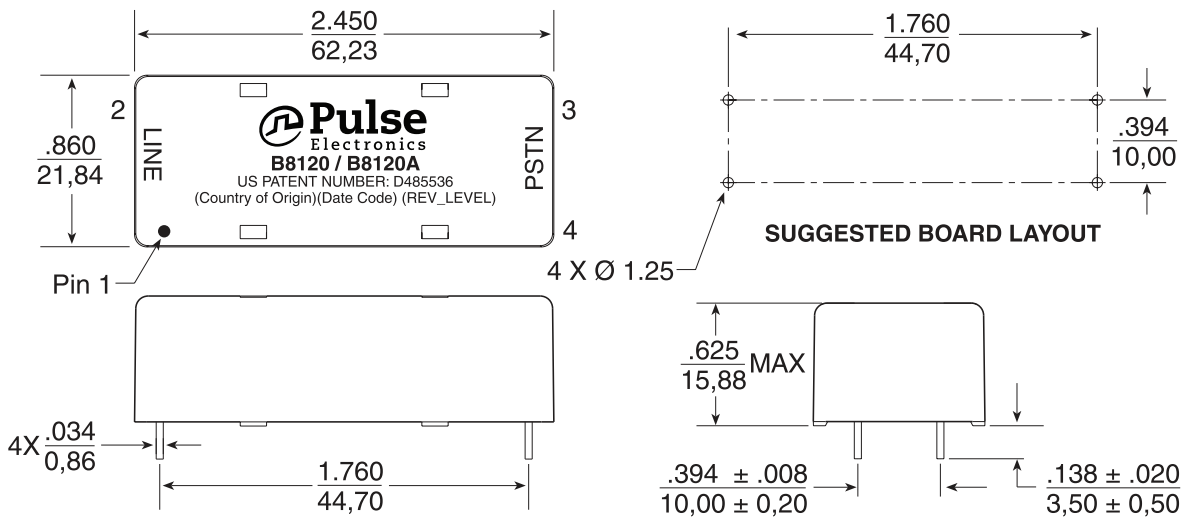
Electrical Specifications @ 25°C - Operating Temperature -40 °C to +85 °C

| PARAMETER | FREQUENCY | |
|--|------------------------|---------------------|
| POTS Impedance | 100Hz to 4Hz | 800Ω 100Ω + 50nF |
| POTS Insertion Loss | 1kHz | 0.6dB MAX |
| POTS Attenuation Distortion relative to 1 kHz NOTE: Attenuation is positive value, gain is negative | 200Hz to 3.4kHz | -1.5 - + 0.5dB |
| | 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



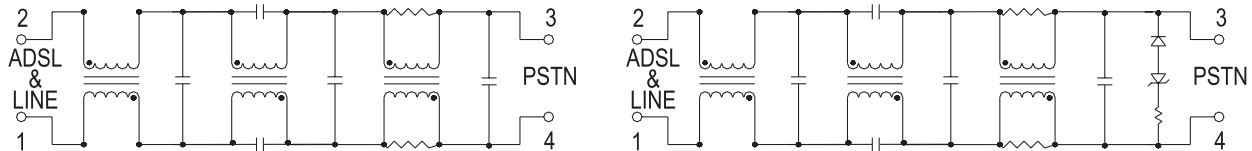
Weight26 grams
Tray30/tray

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

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

Schematics

B8120/B8120A



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