The 80-100 Indoor ADSL low pass filter is a passive in-line device designed to block Asymmetric Digital Subscriber Line (ADSL) signals from the subscriber’s telephone line, allowing the POTS signal to pass through unaffected.

**KEY PRODUCT BENEFITS**

- Designed to effectively block ADSL, HPN and other radio frequency signals up to 400-megahertz (MHz) on both line 1 (Pins 2, 3) and line 2 (Pins 1, 4).
- The 80-100 filter is designed with an RJ-11 plug on the input end to easily snap into any existing RJ-11 phone jack located at the customer premise.
- The device may be utilized throughout the customer premise to isolate all voice band equipment devices such as telephone sets, answering machines, facsimile (fax) machines, 56Kb/s and lower rate modems, automatic dialers and recorder connectors.

**INDUSTRY STANDARDS**

- Listed to UL 1863
SPECIFICATIONS

Line side differential input blocking impedance
At 20 kHz                             > 2k
At 30 kHz                             > 3k
From 5 MHz to 10 MHz                  > 4k
From 10 MHz to 400 MHz                > 2k

1 kHz insertion loss between 600 Ohm resistive
Single Filter                         < 0.7
With 5 Filters                        < 0.8

1 kHz/2.8 kHz slope between 600 Ohm resistive
Single Filter                         < 0.1
With 5 Filters                        < 0.8

DC Resistance in Ohms
Tip to Tip, and Ring to Ring          < 50
Tip to Ring                           > 10 M

Longitudinal Balance per IEEE method
From 200 – 1 kHz                      > 58 dB
From 1 kHz – 3 kHz                    > 53 dB

Common Mode Rejection
40 kHz                                > 45 dB
1.1 MHz                               > 45 dB

Envelope Delay 300 Hz – 2800 Hz        <100µs

Low pass roll off (slope) between 600 Ohm and ADSL Transmission Unit – Remote  > 24 dB

DC Loop Current – Meets specifications between 20 and 100 milliamps DC

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Standard Pkg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>80-100</td>
<td>Indoor DSL Filter</td>
<td>80 per carton</td>
</tr>
</tbody>
</table>

Dimensions are in Inches