80-500

Indoor In-Line xDSL Filter

- Isolates Telephone Equipment Impedance from the xDSL and Home Phone Network™ Signals
- Provides Auxiliary (Unfiltered) RJ-11 Port for Data (xDSL) Signals
- Attenuates xDSL & HPN Signals To Prevent Interference with Voice Band Signals
- Reduces Radio Frequency Signal Interference
- G Lite, V.90 & Metallic Loop Testing Compatible
- Detachable 4” RJ-11 Cord

The 80-500 Indoor In-Line xDSL low pass filter is a passive in-line device designed to block Asymmetric Digital Subscriber Line (xDSL) signals from the subscriber's telephone line, allowing the POTS signal to pass through unaffected. The unit is designed with a second unfiltered RJ-11 jack on the output side for connection to DSL equipment.

**KEY PRODUCT BENEFITS**

- A second unfiltered RJ-11 port is provided for connection to xDSL modems and Home Phone Network (HPN) services
- The 80-500 is designed to effectively block xDSL, HPN and other radio frequency signals from DSL signal side to POTS line and vice versa
- The 80-500 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
- Meets ATIS-0600421.2001
SPECIFICATIONS

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: < 25
- Tip to Ring: > 10M

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

Low pass roll off (slope) between 600 Ohm and xDSL Transmission Unit - Remote: > 24 dB

Envelope Delay 300 Hz - 2800 Hz: < 100 µs

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

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>80-500-PK10</td>
<td>Indoor In-Line xDSL Filter</td>
</tr>
</tbody>
</table>