

80-500

Indoor In-Line DSL Filter

CPE/Premise Wiring

MDU

Utility/Municipality



80-500

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



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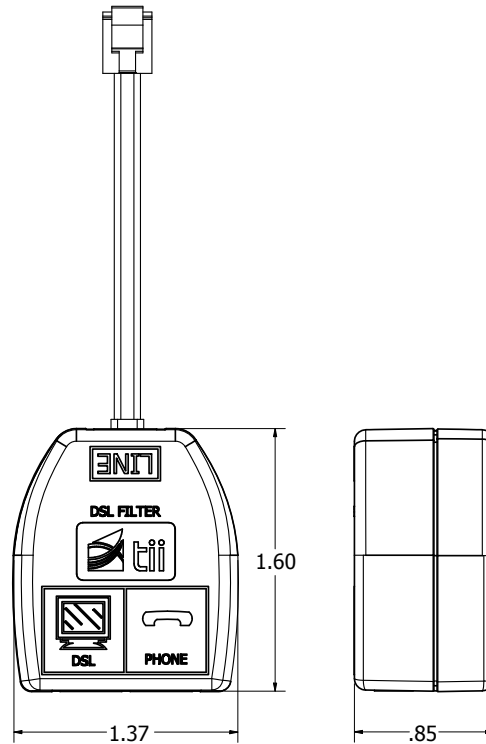
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Dimensions are in Inches

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 μ s |
| DC Loop Current - Meets specifications between 20 and 100 milliamps DC | |

ORDERING INFORMATION

| Model No. | Description |
|--------------------|---|
| 80-500-PK10 | Indoor In-Line xDSL Filter (sold in packs of 10 pieces) |