

80-200

Indoor DSL Filter with Data Port

Isolates Telephone
Equipment Impedance
from ADSL 2+ and Home
Phone Network™ Signals

Compatible with
Two-Line Phone Systems

Provides Auxiliary
(Unfiltered) RJ-11 Port for
Data (ADSL 2+)

Attenuates ADSL 2+ &
HPN Signals to Prevent
Interference with Voice
Band Signals

Reduces Radio Frequency
Signal Interference

G Lite, V.90 & Metallic Loop
Testing Compatible



The 80-200 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. 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 ADSL modems and Home Phone Network (HPN) services.
- ▶ The 80-200 filter is designed to effectively block ADSL, HPN and other radio frequency signals up to 400-megahertz (400MHz) on both line 1 (Pins 2, 3) and line 2 (Pins 1,4)
- ▶ 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

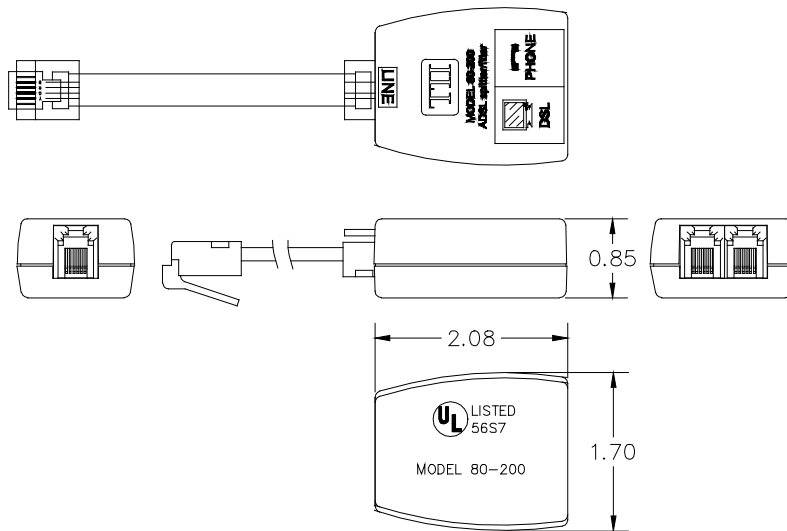
- ▶ Listed to UL 1863



Tii Technologies Inc.

Corporate Headquarters:

141 Rodeo Drive
Edgewood, NY 11717
Phone: 631.789.5000
Fax: 631.789.5063
Toll Free: 888.844.4720
sales@tiitech.com



Dimensions are in Inches

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

| Model No. | Description | Standard Pkg. |
|-----------|----------------------------------|---------------|
| 80-200 | Indoor DSL Filter with Data Port | 50 per carton |