

## **Description**

The Z-200SM is a small in-line filter designed to expedite the service delivery and improve the performance of digital subscriber line (DSL) and home phoneline network (HPN) services. This model filters all telephone sets, facsimile machines, answering machines, etc individually or in groups. Our in-line filter design electronically isolates the high-speed DSL and HPN data streams from the voice band plain old telephone service (POTS). This design effectively blocks the DSL, HPN and other radio frequencies up to 400 Megahertz (MHz).



Z-200SM In-Line Filter

## **Features**

- Isolate telephone equipment impedances from the xDSL and HPN systems
- Attenuate xDSL & HPN signals to phone equipment to prevent conversion to voice band signals
- Attenuate HPN signals to unbalanced phone equipment to prevent radiation into electronic equipment
- Attenuate radio signals picked up by unbalanced telephone acting as an antenna from effecting DSL or HPN receivers
- Minimize voice band interference --- transmission, signaling and supervision
- Compatible with all major xDSL standards including ADSL Full Rate (ITU-T G.992.1), ADSL G.Lite (ITU-T G.992.2), ADSL2 (ITU-T G.992.3 and .4), ADSL2+ (ITU-T G.992.5 in analog mode), ADSL2++, VDSL (ITU-T G.993.1), VDSL2; also V.90 and Metallic Loop Testing compatible
- FCC 47 CFR Part 68, IC CS-03, UL 60950, and CSA 22.2 No. 60950 compliant and listed
- CE Mark certified
- RoHS and WEEE compliant

## **Applications**

The Z-200SM filters are used with other Z-BLOCKER® filters distributed throughout the subscribers' premises to isolate all voice band equipment devices such as corded/cordless telephones, answering machines, fax machines, 56Kb/s and lower rate modems, automatic dialers, recorder connectors and satellite television set-top boxes.

The Z-200SM in-line DSL filter is one of many filters manufactured by Excelsus for subscriber installed digital services within homes, offices, and hotels. Excelsus is the number one selling brand of DSL filters worldwide.

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## Z-BLOCKER® Z-200SM In-Line Filter

>2k
>3k
>4k
>2k
< 0.7
<0.8
<0.1
< 0.8
<50
>10M
>58dB
>53dB
>45dB
>24dB
>60dB
<100µs
·
>25dB
>25dB
>24dB
>29dB
>22dB
>15dB
>28dB
>16dB
>9dB
>28dB
>17dB
>9dB
>20dB
>11dB
>6dB
>16dB
>8dB
>4dB
), Cord Length = 3.5in (88.9mm)



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