

DATA SHEET | TELEPHONE ACCESSORIES | ADSL2+ INLINE FILTER

All Clipsal Telephone Accessories are RoHS Compliant.

CATALOGUE# DESCRIPTION

3110DSL2F ADSL2+ Inline Filter

GENERAL APPLICATION

This filter fits between the telephone wall socket and telephone. It is designed to remove noise interference associated with ADSL broadband internet.



3110DSL2F

FEATURES

- RoHS Compliant
- ADSL2+
- Conforms to RCIT.0004
- Telstra listed - S041
- Compliant to AS/ACIF SO41:2005
- Meets ETSI TS 101 952-1-5 Option A
- High quality low pass filter
- Optimum performance
- Compatible with Mode-3 connection.

SPECIFICATIONS

RTL Reference Impedance:

Zr : 270Ω + (750Ω // 150nF)
Zsl : 82Ω + (600Ω // 68nF)

Insertion Loss @ 1 kHz

Less than 1 dB

Insertion loss distortion

Less than 1 dB

Return Loss

300Hz - 3400Hz > 12 dB
3400Hz - 4000 Hz > 8 dB

Delay Distortion

200Hz - 4000 Hz : less than 250 μs

DC resistance

< 25 Ω

Insulation Resistance

> 10 MΩ

Ringing Frequency Loss

Freq. range 18 Hz to 28 Hz:
Voltage drop less than 2 Vrms

ADSL On-Hook Isolation

32 kHz - 350 kHz : > 34 dB
350 kHz - 2208 kHz : > 55 dB

ADSL Band Attenuation

32 kHz - 2208 kHz : > 55 dB

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Voice band:

50 Hz to 600 Hz : > 46 dB
600 Hz to 3400 Hz : > 53 dB
3400 Hz to 4000 Hz : > 46 dB

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ADSL Band:

4 kHz - 30 kHz : > 40 dB
30 kHz - 140 kHz : > 50 dB
140 kHz - 2208 kHz : > 50 dB
2208 kHz - 5.0 MHz : > 30 dB

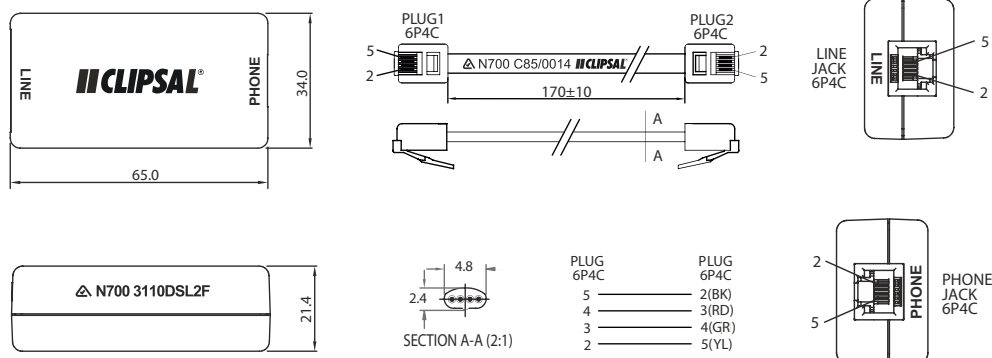
DC Current range

15 mA to 100 mA

Voice Band Noise

Less than -75 dBmp using a 600 Ω
Less than -50 dBm (unweighted).
Less than -60 dBm at any single frequency over the range 30 Hz to 20 kHz.

TECHNICAL DRAWING



PATENT

2005903061

2005904701

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