

DATA SHEET | TELEPHONE ACCESSORIES | ADSL2+ INLINE FILTER / SPLITTER

All Clipsal Telephone Accessories are RoHS Compliant.

CATALOGUE#

DESCRIPTION

3110DSL2FS

ADSL2+ Inline Filter/Splitter

GENERAL APPLICATION

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

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

Non linear device.

@ 30 mA Voltage drop less than 3 V
(or less than 100 ΩDC)

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

Unbalance About Earth

Voice band:

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

Unbalance About Earth

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

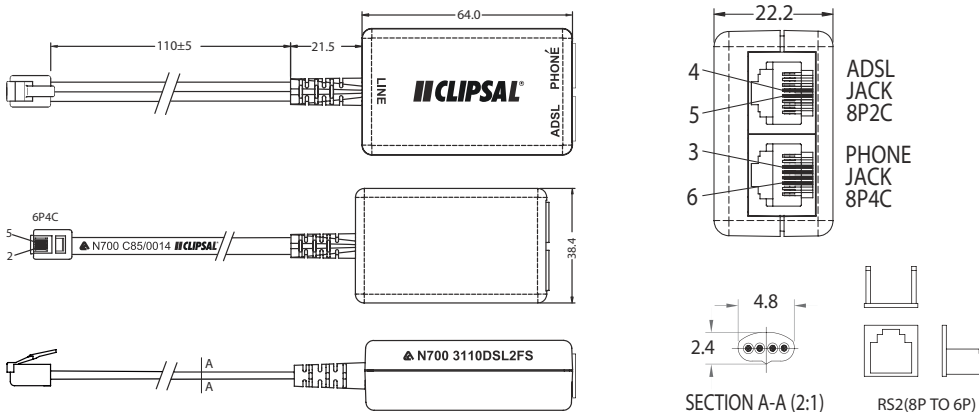
Voice Band Noise

Less than -75 dBm 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.



3110DSL2FS

TECHNICAL DRAWING



PATENT

2005903061

2005904701

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