

DATA SHEET | TELEPHONE ACCESSORIES | ADSL2+ SECURITY CENTRAL FILTER

All Clipsal Telephone Accessories are RoHS Compliant.

CATALOGUE#	DESCRIPTION
3110DSL2SSF3	ADSL2+ Filter/Splitter with Mode 3 Security



3110DSL2SSF3

GENERAL APPLICATION

This filter/splitter is designed to filter the incoming phone line into a Mode 3 security, ADSL broadband internet and telephone line.

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
- Built in Mode-3 connection.

SPECIFICATIONS

RTL Reference Impedance:
 $Z_r : 270\Omega + (750\Omega // 150nF)$
 $Z_s : 82\Omega + (600\Omega // 68nF)$

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 μ s

DC resistance
 < 25 Ω

Insulation Resistance
 > 10 M Ω

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

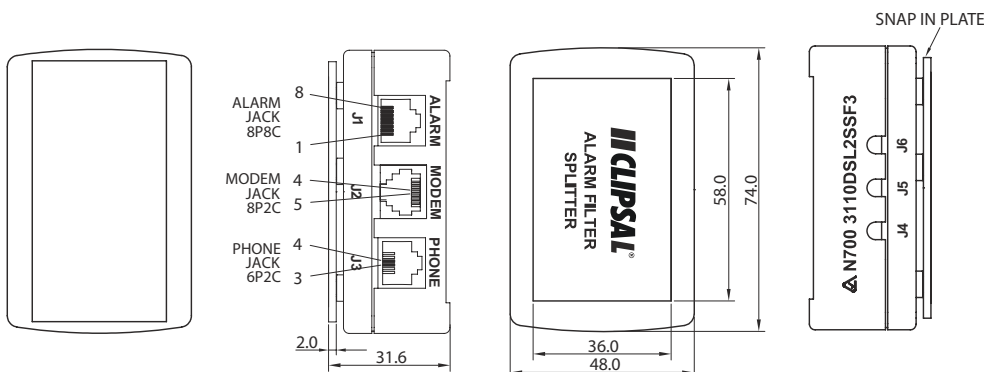
Unbalance About Earth

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 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



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