

# DATA SHEET



## AUSTRALIA

### ADSL POTS INLINE FILTER DSL002 2+

- RoHS compliant
- Works with ADSL2+
- Conforms to RCIT.0004
- Telstra listed
- Compliant to AS/ACIF S041 : 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

#### 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.

