a global solutions company

DATA SHEET

AUSTRALIA

ADSL POTS FILTER / SPLITTER DSL008 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
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 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.