

## DATA SHEET ADSL FILTER RJ11/ 2RJ11

Part number : AD11ADSL



## Description

Connection to kit ADSL allows on the networks Télécom jack RJ11 .

## Features

- |                        |                             |
|------------------------|-----------------------------|
| - OVERALL DIMENSIONS : | 65x38x21 with cord of 140mm |
| - WEIGHT :             | 42 Gr                       |
| - COLOUR :             | Ivory                       |
| - PACKAGING :          | In individual plastic bag   |

## FILTER SPECIFICATIONS

DC Resistance		
Network port at 20mA		<25 $\Omega$
Tip and Ring to Ground at $\leq 100$ Vdc		>10 M $\Omega$
Tip and Ring to Ground at $\geq 100$ Vdc and $\leq 200$ Vdc		>30 k $\Omega$
Operating Current		5 to 90 mA
Operating Voltages		
Network tip to ring		0 to -80 Vdc
Network tip to ring level with ringing signal of 17 to 23Hz and 40 to 106 Vrms		-20 to -80 Vdc
On-hook Voice Band Insertion Loss		
Single filter		-0.5dB to 1.5dB
With 5 filters		-1.0dB to 6.5dB
On-hook Voice Band Insertion Loss Distortion		
Single filter, 200 to 1000 Hz		-1.5dB to 1.5dB
With 5 filters, 200 to 1000 Hz		-5.5dB to 2.0dB
Single filter, 1 to 2.8 kHz		-1.5dB to 1.5dB
With 5 filters, 1 to 2.8 kHz		-2.0dB to 2.0dB
On- or Off-hook Envelope Delay 300 Hz - 2800 Hz		<250 $\mu$ s
Off-hook Voice Band Insertion Loss		
Single filter		-0.5dB to 0.5dB
With 5 filters		-1.0dB to 1.0dB
Off-hook Voice Band Insertion Loss Distortion		
Single filter, 200 to 3400 Hz		-1.0dB to 0.5dB
With 5 filters, 200 to 3400 Hz		-1.5dB to 2.5dB
Single filter, 3.4 to 4 kHz		-1.5dB to 1.0dB
With 5 filters, 3.4 to 4 kHz		-2.0dB to 3.25dB
Off-hook impedance distortion		
Phone Port	SRL Low	>13 dB
"	ERL	>9 dB
"	SRL High	>3 dB
Network Port	SRL Low	>12 dB
"	ERL	>10 dB
"	SRL High	>5 dB
Inter-Modulation Distortion Second and Third order products		>60 dB
On-hook High Band Stopband Attenuation		
From 25 to 50 kHz, between 20 and 90 mA		>12 dB
From 50 k to 12 M Hz, between 20 and 90 mA		>12 dB
Off-hook High Band Stopband Attenuation		
From 25 to 50 kHz, between 20 and 90 mA		>21 dB
From 25 to 50 kHz, between 7 and 20 mA		>13 dB
From 50 k to 12 M Hz, between 20 and 90 mA		>25 dB
From 50 k to 12 M Hz, between 7 and 20 mA		>22 dB
Bridging Loss		
Single filter, 25 kHz to 1.2 MHz		<0.5 dB
With 5 filters, 25 kHz to 1.2 MHz		<1.25 dB
Single filter, 25 kHz to 1.2 MHz		<3.0 dB
With 5 filters, 25 kHz to 1.2 MHz		<4.0 dB
Isolates dial pulses and on-hook/off-hook transitions from the Digital Subscriber Line		