

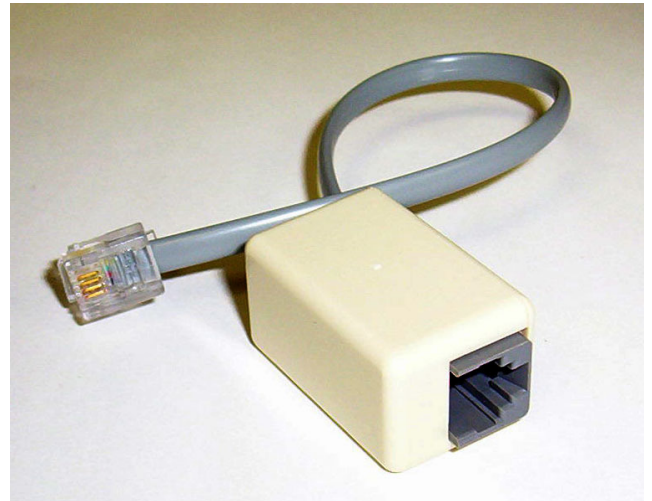
Analog Attenuator

97A-x

OPTO-TECH™

Features

- Patented H-pad design provides attenuation from 1 to 8 dB \pm 0.2 dB
- Reduces high loop current and AC level
- Passive device - no ground required
- Tip & Ring balanced to standard 600 ohm telephone line impedance
- Reversible in-line single pair connection via modular RJ-11 jack and plug
- Compact size, excellent durability, high impact plastic housing
- ANSI T1/E1 conforming RJ-11 jack/plug with 50 microns of gold plating



Description

Excessive loop current or AC level may cause:

- ✓ Decreased modem performance (slow data rates)
- ✓ Modem, fax, telephone disconnects
- ✓ Equipment failures
- ✓ Random squealing and echoes

The 97A-x reduces excessive loop current to a preferred level, thus stabilizing and improving the frequency response of the circuit allowing the attenuated equipment to perform at optimal levels.

The 97A-x patented H-pad design reduces the loop frequency response from 1 dB to 8 dB, and provides from -3 mA up to -14.5 mA depending on the model ordered.

Wilcom P/N	Model	dB Loss	Loop Loss
30032286-01	97A-1	-8 dB	-14.5 mA
30032286-02	97A-2	-7 dB	-13.0 mA
30032286-03	97A-3	-6 dB	-11.5 mA
30032286-04	97A-4	-5 dB	-10.0 mA
30032286-05	97A-5	-4 dB	-9.0 mA
30032286-06	97A-6	-3 dB	-7.5 mA
30032286-07	97A-7	-2 dB	-5.5 mA
30032286-08	97A-8	-1 dB	-3.0 mA

dB loss \pm 0.2dB
Loop loss \pm 1 mA

Specifications	
DC Resistance (Tip-to-Ring open)	> 10 Mohms
Capacitance (Tip-to-Ring)	< 20 nF
Return Loss	> 40 dB
Delay Distortion	< 100 μ s
Attenuation Tolerance @ 1004 Hz	\pm 0.2 dB
Dimensions (L x W x H inches)	1.44 x .78 x .88
U.S. Patent No.	5,642,415

Specifications and prices are subject to change without notice.

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ISO - 9001:2008 Registered

Wilcom

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