SUTTLE

2-Line Inline DSL Filter

2-line ADSL, ADSL2+, VDSL2 to 30 MHz

Product Description

The Inline Filter connects between the wall jack and voice device (e.g. phone, fax, answering machine, Caller ID) providing a single filtered jack for a voice device communications. Suttle in-line DSL filters eliminate all erratic impedance from telephone equipment that interfere with DSL communications.
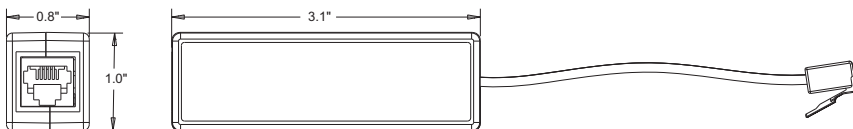
Features

- *Compatible with ADSL, ADSL2+, VDSL2 to 30 MHz (Data Only)*
- *Standards:*
  - *FCC Registered, Complies with Part 68*
  - *ANSI T1. 421*
  - *Material is flame retardant thermoplastic compliant with UL 94V-0*
- *Filter topology: 2-pole low pass*
- *Contacts (Plug and Jacks) Minimum 50 micro-inch of gold and nickel*
- *Customer installable*

Specifications

Dielectric Withstand - - - - - - - - - - - - - 1000 VDC for 1 minute

REN - 0.1B (ac)

Series DC Resistance - - - - - - - - - - - - - 20 ohms max. (T to R with telephone port shorted)

Loading Capacity - - - - - - - - - - - - - - - 16nF (T to R)

DC Loop Current - - - - - - - - - - - - - - - - Operates from 0 - 90mA

Off-Hook Insertion Loss - - - - - - - - - - - - < 0.2dB @ 1KHz

Off-Hook Insertion Loss Distortion - - - - < 0.5dB (200Hz - 4KHz)

Off-Hook Impedance Distortion - - - - - - ERL > 9dB
SRL-LO > 13dB
SRL-HI > 3dB

Envelope Delay - - - - - - - - - - - - - - - - < 100 us (300Hz - 2.8kHz)

Stopband Attenuation - - - - - - - - - - - - - $\geq$ 21dB @ 25kHz - 50kHz
$\geq$ 25dB @ 50kHz - 30MHz

Safety - cULus

Dimensions

Part #	Description
900LCC-2F-50	2-line inline DSL filter (pins 3&4, 2&5), ADSL and VDSL2 to 30 MHz (Data Only) compatible

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