

# **SUTTLE**

## **Inline DSL Filter**

### *900LCS-50E, 1-Line and Auxiliary DSL Jack*



#### **Product Description**

The In-line Filter connects between the wall jack and voice device (e.g. phone, fax, answering machine, Caller ID) providing both an unfiltered DSL jack for DSL connection and a filtered jack for a single line of voice device communications. Suttle In-line DSL filters isolate telephone equipment impedances from ADSL, delivering high bandwidth ADSL transmission capabilities.

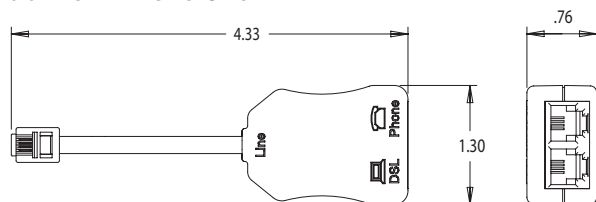
#### **Features**

- Standards
  - FCC Registered; Complies with Part 68
  - 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
- Small compact design
- 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:	40nF (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:	
<u>Network Port</u>	<u>Phone Port</u>
ERL > 10dB	ERL > 9dB
SRL-LO > 12dB	SRL-LO > 13dB
SRL-HI > 5dB	SRL-HI > 3dB
Envelope Delay:	< 100 us (300Hz - 2.8kHz)

#### **Outline Dimensions**



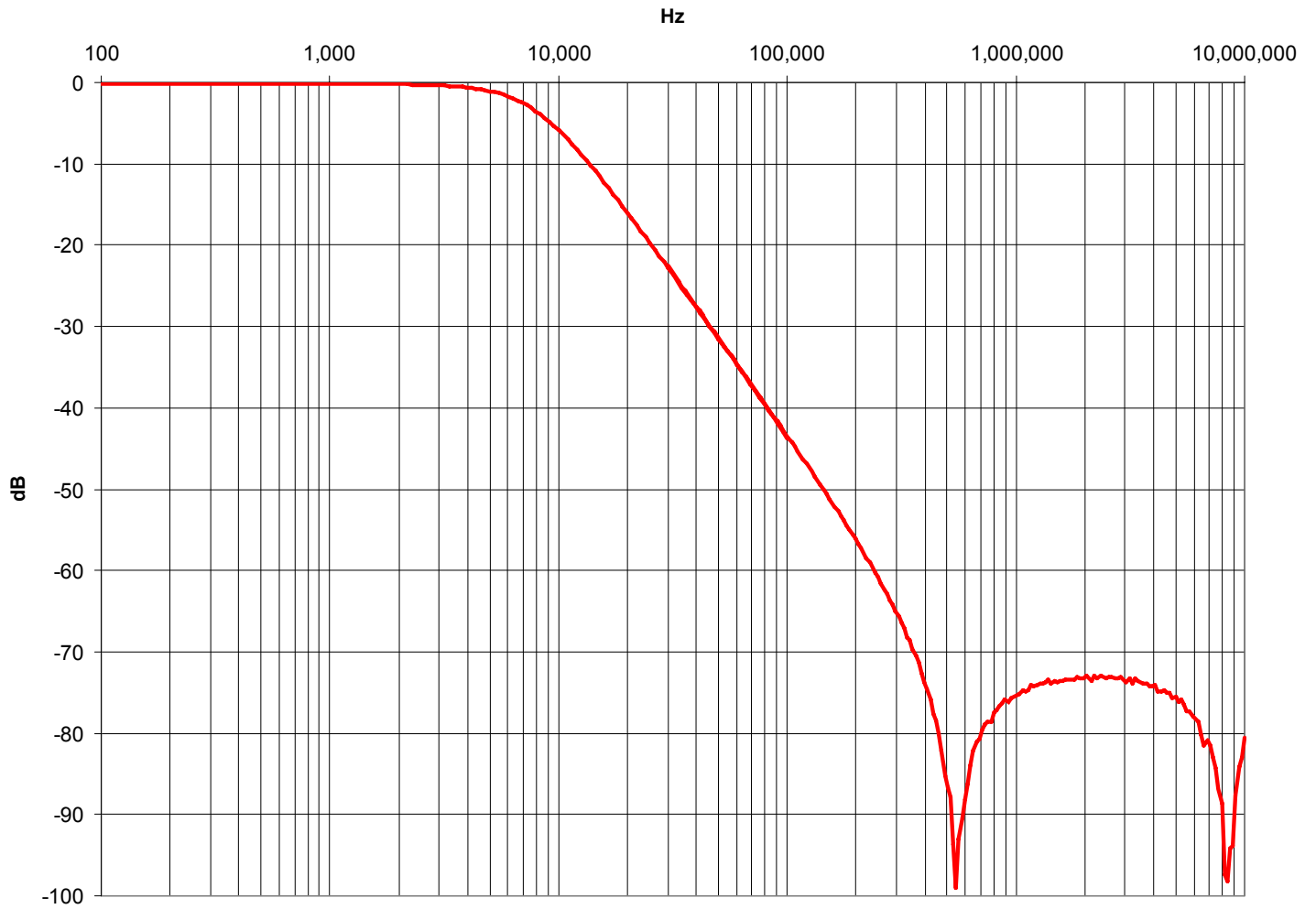
#### **Ordering Information**

Part Number  
900LCS-50E

Description  
1-line filtered and auxiliary DSL jack

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### Filter Response



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