

ADSL Splitter

GDSL-160012

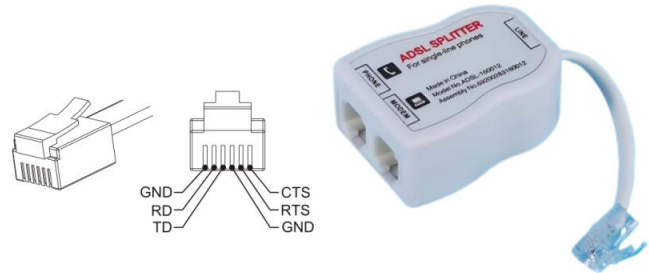
Product Overview

Our high-quality and durable ADSL Splitter is engineered to deliver exceptional performance and reliability for ADSL broadband connections. With advanced technology and robust construction, GDSL-160012 splitter effectively separates voice and data signals, ensuring seamless communication and optimized internet connectivity. Its durability ensures long-term use without compromising on functionality, making it an ideal choice for telecom providers, network installers, and individual users looking for a reliable solution to enhance their communication infrastructure.

Characteristics:

- High quality ADSL2 technology
- Clear voice reception and transmission
- Reliable data transfer at high speeds
- Isolates unwanted frequencies
- Simultaneous use of Modem and telephone

DESIGNED FOR ISP PROVIDERS



Splitter parameters	Electrical requirements	
	Range	Values
Splitter bandwidth		DC to 4KHz
Nominal voice band		0.3KHz to 3.4KHz
Ringing frequency		15.3Hz to 68Hz
ADSL band		30KHz to 2208KHz
Line impedance	300Hz to 3.4KHz	600ohms
Modem impedance	30KHz to 2208KHz	100ohms
voice band Input Impedance(With 3 Filter)		>6.0Kohms
Operation voltage voice band		
Nominal signal		21mVpp to 5.4Vpp
Ringing signal		40Vrms to 150Vrms
DC voltage		0V to 105V
Max AC voltage		150Vrms
Operation current voice band		
Loop current		<100mA
DC resistance	Tip to Tip and Ring to Ring	<25ohms
Isolation resistance	Tip to Ring	>100Mohms
Voice band characteristics		
Insertion loss resistive single filter	1000Hz	<0.8dB
With 3 filters	1000Hz	<0.8dB
Insertion loss distortion resistive single filter	300 to 3.4KHz	<1.0dB
	300Hz to 500Hz	>14dB
600ohms return loss single filter	500Hz to 2KHz	>18dB
	2KHz to 3.4KHz	>14dB
Longitudinal conversion loss(LCL)	60Hz to 600Hz	>40dB
	600Hz to 3.4KHz	>46dB
ADSL band attenuation	30KHz to 2.208MHz	>40dB
	With 3 Filter	30KHz to 2.208MHz
Delay distortion	300Hz to 3.4KHz	<250us
Insertion loss distortion	30KHz to 2208KHz	<0.25dB
	With 3 Filter	30KHz to 2208KHz

