

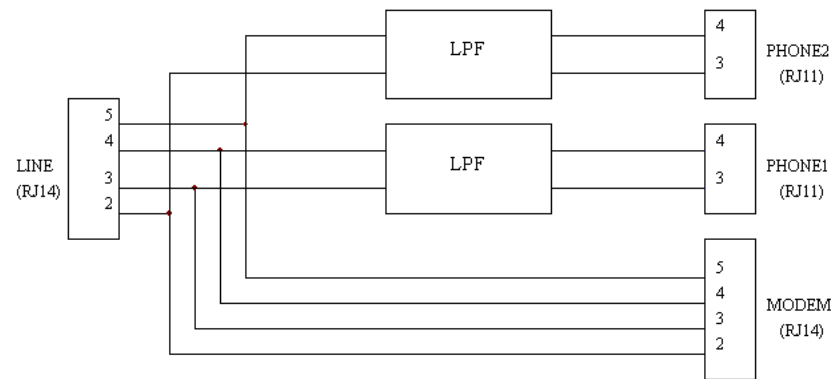
OvisLink SP-310 Parameters and Specifications

Electrical Specification:

Splitter parameters	Electrical requirements	
	Range	Values
Splitter bandwidth		DC to 16KHz
Nominal voice band		0.3KHz to 3.4KHz
Ringing frequency		15.3Hz to 68Hz
ADSL band		32KHz to 30MHz
Line impedance	200Hz to 4.0KHz	270ohm+750ohm//150nF
Line impedance	200Hz to 4.0KHz	600ohms
Modem impedance	32KHz to 30MHz	100ohms
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 + Ring	<50ohms
Isolation resistance (VDC=100V)	Tip to Ring	>25Mohms
Voice band characteristics		
Insertion loss billing tone (in 200Ω)	12 KHz to16 KHz	<5dB
Insertion loss	1000Hz	<1.0dB
Insertion loss distortion resistive 1KHz	200 to 4KHz	<1.0dB
return loss	300Hz to 3400Hz	>12dB
	3400Hz to 4000Hz	>8dB
Longitudinal conversion loss(LCL)	50Hz to 600Hz	>40dB
	600Hz to 3.4KHz	>46dB
	3.4KHz to 30KHz	>40dB
	30KHz to 2208KHz	>45dB
	2208KHz to 30MHz	>40dB
Delay distortion	200Hz to 4KHz	<250us
ADSL band		
ADSL band attenuation (Off-hook isolation)	32KHz to 30MHz	>55dB
VDSL2 Insertion loss	32 kHz to 30MHz	< 1 dB

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Schematic:



Mechanical condition: (unit:mm)

