

# ADSL master POTS splitter

# PS-15

## Description

The Wilcom PS-15 is a passive, low-pass filter designed to provide POTS service in concert with ADSL technology. Unlike inline "micro filters", only a single master splitter is required at the residence to filter all the existing phone extensions.

This splitter sets the standard for ADSL and ADSL2+ performance allowing the maximum bitrates possible to the customer.

The PS-15 can be wall or desktop mounted at the customer premises where the phone service enters the building. Two types of connections are provided on the PS-36 splitter: terminal block or standard RJ-11 jacks. This allows the installer to simply connect the existing premise wiring to the PHONE connector on the splitter, and have POTS service up and running within minutes, without expensive and time-consuming rewiring.

The PS-15 will operate with all forms of ADSL for maximum flexibility and system longevity.



## Specifications:

Maximum xDSL Bandwidth	2.2 MHz - ADSL2+
Maximum Bitrate	24 Mbps
Corner Frequency	7 kHz
Insertion Loss (1kHz)	< 0.25 dB
30kHz Attenuation	> 65 dB
Attenuation Distortion (0.2kHz-3.4kHz)	< 0.25 dB
Delay Distortion	< 50 $\mu$ S
Return Loss (600+2.16 $\mu$ F, typical)	ERL +27 dB SRL-LO +18 dB SRL-HI +20 dB
DC Resistance	< 20 Ohms
Longitudinal Balance	> 70 dB
Maximum Loop Current	100 mA
Acceptable Wire Gauge (IDC)	19-26 AWG
Jacks	RJ-11 type, gold plated
Dimensions (HWD)	3.9 x 2.1 x 1.0"
Temperature (operating & storage)	-40°C to +85°C
Connections	Line, Modem & Phone RJ-11 jacks and terminal block
Warranty	3 year

## Compliance:

ITU-T G.992.5 Asymmetric Digital Subscriber Line transceivers (ADSL2+)
ITU-T G.992.3 Asymmetric Digital Subscriber Line transceivers (ADSL2)
ITU-T G.992.1 Asymmetric Digital Subscriber Line transceivers (ADSL)
UL/CUL 1863 Listed
ACTA (FCC) Registered
IC CS-03 Registered

## Ordering Information:

Description	Modem Jack Type	Part Number
PS-15	RJ-45 (8 position)	30150030
PS-15-01	RJ-11 (standard telephone jack)	30150040

# Wilcom