

# VDSL2 bonded CPE POTS splitter

# PS-36W2

## Description

The Wilcom PS-36W2 is a passive, low-pass filter designed to provide POTS service in concert with 2-line bonded VDSL2 technology. Line 1 is DSL + POTS and Line 2 is DSL only.

Unlike inline "micro filters", only a single master splitter is required at the residence to filter all the existing phone extensions.

This high-performance splitter is ideally suited for video over xDSL applications such as IPTV (Internet Protocol Television) by providing robust ring-trip protection which can eliminate video pixelization caused by off-hook and ring-trip events.

The PS-36W2 can be used in multi-dwelling units where access to a standard NID is restricted or not practical. A single splitter can be flush wall mounted within an existing telephone junction box for a unobtrusive and neat appearance. The xDSL modem and optional local phone simply plug into the front RJ-11 jack for a complete master splitter solution.

The PS-36W2 will operate with all forms of DSL for maximum flexibility and system longevity. Additionally, the PS-36W2 includes a full three year warranty.



## Specifications:

Maximum xDSL Bandwidth	30 MHz - Profile 30a
Maximum Bit rate	200 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	300 mA
Acceptable Wire Gauge	22-26 AWG (screwless terminal block)
Dimensions (HWD)	4.5 x 2.75 x 1.4"
Temperature (operating & storage)	-40°C to +85°C
Connections	Front: Modem & Phone RJ-11 jacks Rear: Line 1,2 & Phone terminal block

## Compliance:

ITU-T G.993.2 Very high speed digital subscriber line transceivers (VDSL2)
ITU-T G.992.5 Asymmetric Digital Subscriber Line transceivers - Extended bandwidth (ADSL2plus)
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	Part Number
PS-36W2 Wall-mount POTS Splitter	30036062

# Wilcom