

VDSL2 master POTS splitter

PS-36

Description

The Wilcom PS-36 is a passive, low-pass filter designed to provide POTS service in concert with VDSL2 technology. 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-36 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-36 will operate with all forms of DSL for maximum flexibility and system longevity



Specifications:

Maximum xDSL Bandwidth	30 MHz - VDSL2 Profile 30a
Maximum Bitrate	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 μS
Return Loss (600+2.16μF, 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 (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.993.2 Very high speed Digital Subscriber Line transceivers (VDSL2)
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-36	RJ-45 (8 position)	30360020
PS-36-01	RJ-11 (standard telephone jack)	30360040

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