

# ADSL2+ POTS Splitter FOR MDU / MTU APPLICATIONS

# PS-55 MDx

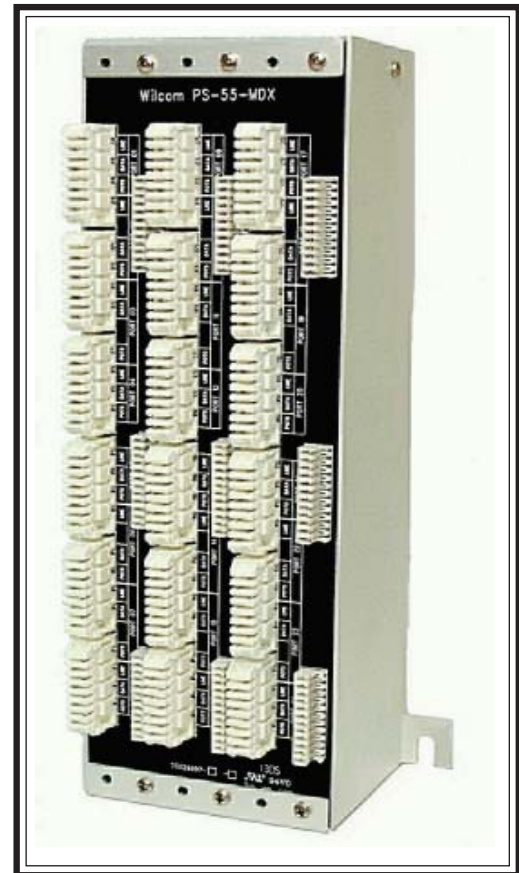
## Description

The Wilcom PS-55 MDx ADSL2+ POTS Splitter is a passive low-pass filter designed to provide POTS service in concert with ADSL technology. The device blocks high frequency (20kHz-1MHz) energy from interfering with POTS equipment. The PS-55 MDx employs a low-pass filter for standard voice-grade lines.

The PS-55-MDx contains 24 ADSL2+ ports, and can be ordered as a Customer Premise (CPE) Master Splitter or a Central Office (CO) Splitter. Both solutions are ideal for Multi-Dwelling and Multi-Tenant environments.

Each unit is available with BIX type connectors or 110 type connectors for direct wiring connections of the LINE, POTS and DATA connections.

The unique foot-print of the PS-55-MDx is similar in size to a standard *M-66 punch down block* making it ideal for wall mounting applications.



## Features and Benefits

- ✓ **Compatible with ADSL coding schemes**  
*The PS-55-MDx ADSL2+ POTS Splitter is compatible with all ADSL coding schemes*
- ✓ **Meets ANSI T1.413 and G.992.1 - E.2**  
*The PS-55-MDx is fully compliant with the requirements of ANSI T1.413-1998 Annex E; ITU-T G.992.1 & G.992.2 Annex E.2 Type 2 (North America), G.992.5 (ADSL2+)*
- ✓ **BIX Connectors or 110 Connectors**  
*The PS-55-MDx is available with BIX connectors or 110 connectors for the physical interface of the LINE, POTS, and DATA connections*
- ✓ **Passive Low Pass Filter**  
*Passive circuitry for continuous phone service in the event of an AC power failure*
- ✓ **Easily Mounted**  
*The compact ADSL2+ POTS Splitter frame is designed to be screwed directly to a backboard*
- ✓ **Unlimited ADSL Bandwidth**  
*Full bandwidth allocation as compared to the "Micro-filters" on the market today*
- ✓ **CO or CPE Splitter**  
*This unit can be ordered as a central office or customer premise master ADSL2+ splitter making it ideal for MDU or MTU applications*

**Wilcom**

## Specifications

## Ordering Information

### Filter Parameters

Corner Frequency	
PS-55 MDx	> 7kHz
Insertion Loss (1kHz)	< 0.25dB
30kHz Attenuation	
PS-55 MDx	> 65 dB
Attenuation Distortion (0.2kHz-3.4kHz)	< 0.25dB
Delay Distortion	< 50uSec
Return Loss (600 W + 2.16uF, typical)	
ERL	+27dB
SRL-LO	+18dB
SRL-HI	+20dB
DC Resistance	< 20 W
Longitudinal Balance	> 70dB

### Power

Maximum Loop Current	100mA
----------------------	-------

### Physical

Dimensions (HWD)	3.20" x 10.18" x 3.40" (8.18 x 25.85 x 8.60 cm)
Weight	16.06 oz. (499.52 g)

### Environment

Temperature @(5 to 95% humidity)	
Operating	-40°C to +70°C
Storage	-40°C to +70°C

### Safety

UL designed to US and Canadian Safety Standards

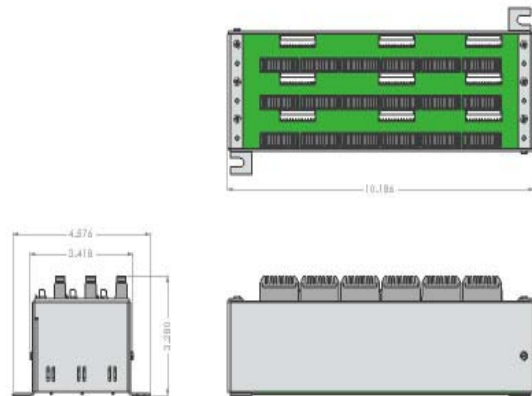
## Warranty

The Wilcom PS-55 MDx POTS Splitters are warranted against failure for a period of three years if normal usage is observed.

### Product

### Part Number

PS-55 MDx 24 port CPE Splitter ( <b>BIX punch down connectors</b> )	30055010
PS-55 MDx 24 port CPE Splitter ( <b>110 punch down connectors</b> )	30055020
PS-55 MDx 24 port CO Splitter ( <b>BIX punch down connectors</b> )	30055030
PS-55 MDx 24 port CO Splitter ( <b>110 punch down connectors</b> )	30055040



# Wilcom

Specifications and prices are subject to change without notice.

08/06 813-261-002  
ISO - 9001:2000 Registered

P.O. Box 508, Laconia, NH 03247  
Tel: 603/524-2622 or 800/222-1898, Fax: 603/524-3735  
www.wilcominc.com