

# Rack Mount Modular Splitter System



## Application

- Long-Haul Networks
- DWDM Networks
- Optical Sensors
- LAN System
- FTTX

## Features & Benefits

- Low Insertion Loss
- Various Coupling Ratio
- Compact Size
- 2U chassis holding up to 16 modules



**1x2**

Size: 110 x88x25mm / 0.116 KG



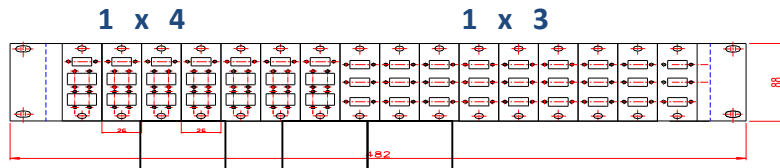
**1x4**

Size: 110 x88x25mm / 0.127 KG



**1x8**

Size: 110 x88x25mm / 0.292 KG



### MxN Splitting

- MN - 12 - 1x2
- MN - 14 - 1x4
- MN - 18 - 1x8
- MN - 116 - 1x16
- MN - 132 - 1x32
- MN - 24 - 2x4
- MN - 28 - 2x8
- MN - 216 - 2x16
- MN - 232 - 2x32

### Connector Type

#### Singlemode Type:

- FU - FC/UPC
- FA - FC/APC
- CU - SC/UPC
- CA - SC/APC
- TU - ST/UPC
- LU - LC/UPC
- LA - LC/APC

# Rack Mount Modular Splitter System

## Performance Specifications

### Specifications – 4Ch to 32Ch PLC splitters

Parameter	IL Max (dB)						
Operating Wavelength (nm)	1260 ~ 1650						
Type	1x4	1x8	1x16	2x16	1x32	2x32	1x64
Insertion Loss (dB) Max.*	< 7.3	< 10.7	< 13.7	< 13.7	< 17.2	< 18.2	< 19.5
Uniformity (dB) Max*	< 0.8	< 1.0	< 1.4	< 2.0	< 1.7	< 2.5	< 2.0
PDL (dB) Max*	< 0.2	< 0.2	< 0.3	< 0.4	< 0.3	< 0.4	< 0.2
Dimensions (HxWxL) (mm)	4x4x40	4x4x40	4x7x50	4x7x60	4x7x50	4x7x70	4x7x70
Directivity (dB) Min*	55						
Return Loss (dB) Min*	50						
Operating Temp (° C)	-40 ~ +85						
Storage Temp (° C)	-40 ~ +85						
Fiber Type	Corning singlemode SMF-28						

### Specifications – 2Ch Fused Splitters

Configuration / Parameter	IL Max (dB)	IL Typ (dB)
1x2 - 50/50	3.6	
1x2 - 40/60	4.7 / 2.7	
1x2 - 30/70	6.0 / 1.9	
1x2 - 20/80	7.9 / 1.2	
1x2 - 10/90	11.3 / 0.5	
1x2 - 5/95	15.2 / 0.4	
1x2 - 1/99	22.5 / 0.3	
1x3	5.8	5.2
1x4	7.3	6.6
1x5	8.4	7.7
1x6	9.5	8.5
1x7	10.3	9.1
Operating Wavelength (nm)	1310 /1550 + 40, 1310 /1585+ 40, or custom wavelength	

## Performance Specifications

Coupling Ratio(%)	1-50
Directivity (dB)	≥55 dB
Operating Temperature	-40°C - 85°C for package A,B,S /-20°C ~70°C for package C
Storage Temperature	-40°C - 85°C
Fiber Type	Corning Single mode SMF-28, DS Fiber, or Flex core
Fiber Pigtail Length (m)	1meter
Port Configuration	1x2 or 2x2
Package Dimension	Package A, B, C,S