

# Rack Mount PLC Splitter

1:2, 1:4, 1:8, 1:16, 1:32, 1:64  
2:2, 2:4, 2:8, 2:16, 2:32, 2:64

## Description

The GrowsFiber Rack Mount PLC Splitter is a type of optical power management device based on silica optical waveguide technology and is widely used in passive optical networks to realize optical signal power splitting with 1:N or 2:N splitting ratio. The Split Ratio (1:2, 1:4, 1:8, 1:16, 1:32, 1:64, 2:2, 2:4, 2:8, 2:16, 2:32, 2:64) and Adapter Type can be customized.

## Features

- Low insertion loss
- High isolation
- Low polarization dependent loss
- Compact design
- Wide operating wavelength range
- Good channel-to-channel uniformity
- High reliability and high stability
- Telcordia GR-1209-CORE-2001 compliant
- Telcordia GR-1221-CORE-1999 compliant
- YD/T-1272Q compliant
- Q/CT-2295 compliant
- RoHS compliant



## Applications

- FTTH Networks
- PON System
- CATV Networks

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2:2, 2:4, 2:8, 2:16, 2:32, 2:64

## Specifications (Tested with adapters; G657A1 fiber.)

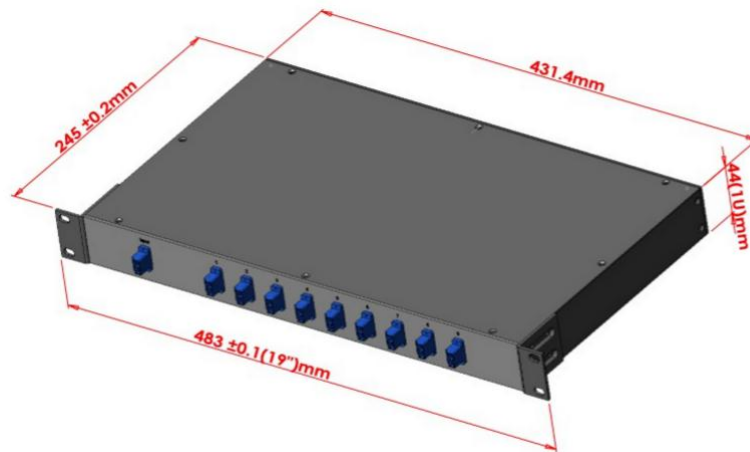
Parameters	Rack Mount PLC Splitter (1:N)					
Operating Wavelength (nm)	1260 to 1650					
Split Ratio	1:2	1:4	1:8	1:16	1:32	1:64
Max Insertion Loss (dB) (P/S Grade)	4.1/4.3	7.4/7.6	10.5/10.8	13.8/14.0	16.8/17.2	20.8/21.3
Max Loss Uniformity (dB)	0.6	0.7	0.8	1.2	1.5	2.0
Max PDL (dB)	0.2		0.25		0.35	
Min Return Loss (dB)	55					
Min Directivity (dB)	55					
Max Wavelength Dependent Loss (dB)	0.5		0.8		1.0	
Max Temperature Stability (dB)	0.5					
Operating Temperature (°C)	-5 to +75					
Storage Temperature (°C)	-40 to +85					
Device Dimension LxWxH (mm)	483x245x44					

Parameters	Rack Mount PLC Splitter (2:N)					
Operating Wavelength (nm)	1260 to 1650					
Split Ratio	2:2	2:4	2:8	2:16	2:32	2:64
Max Insertion Loss (dB)	4.5	7.9	11.3	14.7	17.8	21.3
Max Loss Uniformity (dB)	0.9	1.0	1.2	1.5	1.8	2.2
Max PDL (dB)	0.3			0.35		0.4
Min Return Loss (dB)	55					
Min Directivity (dB)	55					
Max Wavelength Dependent Loss (dB)	0.5		0.8		1.0	
Max Temperature Stability (dB)	0.5					
Operating Temperature (°C)	-5 to +75					
Storage Temperature (°C)	-40 to +85					
Device Dimension LxWxH (mm)	483x245x44					

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2:2, 2:4, 2:8, 2:16, 2:32, 2:64

## Mechanical Dimensions



## Ordering Information

Part Number	Description
GFPSR12	Rack Mount PLC Splitter, 1:2
GFPSR14	Rack Mount PLC Splitter, 1:4
GFPSR18	Rack Mount PLC Splitter, 1:8
GFPSR116	Rack Mount PLC Splitter, 1:16
GFPSR132	Rack Mount PLC Splitter, 1:32
GFPSR164	Rack Mount PLC Splitter, 1:64
GFPSR22	Rack Mount PLC Splitter, 2:2
GFPSR24	Rack Mount PLC Splitter, 2:4
GFPSR28	Rack Mount PLC Splitter, 2:8
GFPSR216	Rack Mount PLC Splitter, 2:16
GFPSR232	Rack Mount PLC Splitter, 2:32
GFPSR264	Rack Mount PLC Splitter, 2:64

**Note:** If there is a demand for orders that are different from those described above, please contact GrowsFiber. Customized options are shown as following:

Adapter Type	LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC
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