

Mini Module PM PLC Splitter

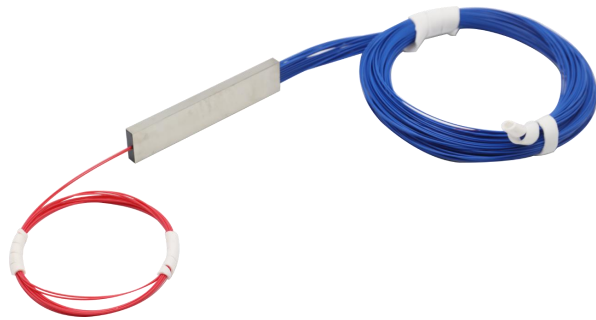
1:2, 1:4, 1:8, 1:16, 1:32, 1:64

Description

The GrowsFiber Mini Module PM PLC Splitter is widely used in passive optical networks to realize optical signal power splitting with 1xN splitting ratio. It is an optical power management device based on the quartz glass waveguide technology, precision and reliable fiber array, and miniaturized coupling package. With polarization maintaining fiber, the two orthogonal linear polarized light can be transmitted stably and the polarization state can keep constant. The Panda Eye Angle, Split Ratio (1:2, 1:4, 1:8, 1:16, 1:32, 1:64), Fiber Type, Fiber Length, and Connector 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

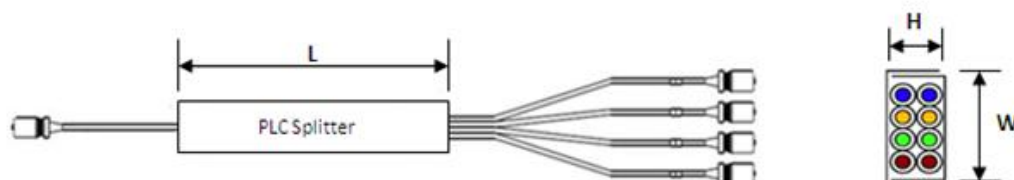
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Specifications

Parameters	Mini Module PM 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					
Mini Module Dimension LxWxH (mm)	60x7x4			60x12x4	80x20x6	100x40x6

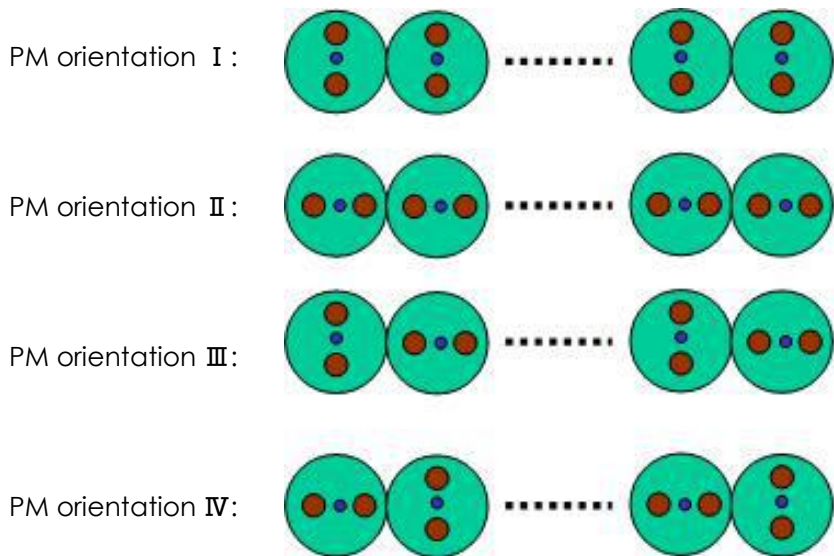
Mechanical Dimensions



Mini Module PM PLC Splitter

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PM Orientation Type (Panda Eye Angle)



Ordering Information

Part Number	Description
GFPMPSM12	Mini Module PM PLC Splitter, 1:2
GFPMPSM14	Mini Module PM PLC Splitter, 1:4
GFPMPSM18	Mini Module PM PLC Splitter, 1:8
GFPMPSM116	Mini Module PM PLC Splitter, 1:16
GFPMPSM132	Mini Module PM PLC Splitter, 1:32
GFPMPSM164	Mini Module PM PLC Splitter, 1:64

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

Panda Eye Angle	PM Orientation I , PM Orientation II , PM Orientation III, PM Orientation IV
Fiber Type	0.9mm loose tube, 2.0mm loose tube, 3.0mm loose tube
Fiber Length	1.0m, 1.5m, 2.0m, 2.5m, ...
Connector Type	None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC