

Plug-in Type PLC Splitter

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

Description

The GrowsFiber Plug-in Type 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, 2:2, 2:4, 2:8, 2:16, 2:32) 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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Specifications

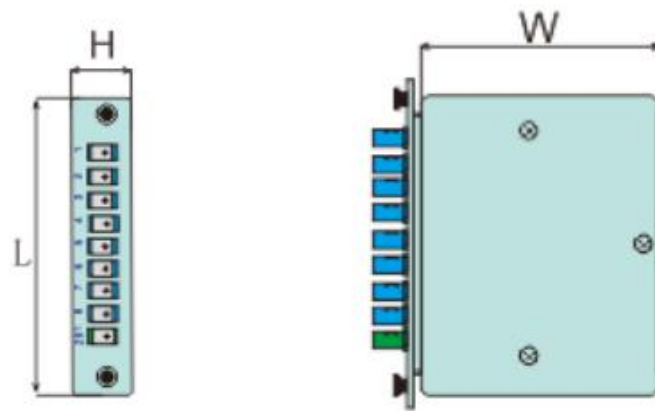
Parameters	Plug-in Type PLC Splitter (1:N)				
Operating Wavelength (nm)	1260 to 1650				
Split Ratio	1:2	1:4	1:8	1:16	1:32
Max Insertion Loss (dB) (P/S Grade)	4.1/4.3	7.4/7.6	10.5/10.8	13.8/14.0	16.8/17.2
Max Loss Uniformity (dB)	0.6	0.7	0.8	1.2	1.5
Max PDL (dB)	0.2			0.25	
Min Return Loss (dB)	55				
Min Directivity (dB)	55				
Max Wavelength Dependent Loss (dB)	0.5			0.8	
Max Temperature Stability (dB)	0.5				
Operating Temperature (°C)	-40 to +85				
Storage Temperature (°C)	-40 to +85				
Device Dimension LxWxH (mm)	130x100x25				267x100x50

Parameters	Plug-in Type PLC Splitter (2:N)				
Operating Wavelength (nm)	1260 to 1650				
Split Ratio	2:2	2:4	2:8	2:16	2:32
Max Insertion Loss (dB)	4.5	7.9	11.3	14.7	17.8
Max Loss Uniformity (dB)	0.9	1.0	1.2	1.5	1.8
Max PDL (dB)	0.3				0.35
Min Return Loss (dB)	55				
Min Directivity (dB)	55				
Max Wavelength Dependent Loss (dB)	0.5			0.8	
Max Temperature Stability (dB)	0.5				
Operating Temperature (°C)	-40 to +85				
Storage Temperature (°C)	-40 to +85				
Device Dimension LxWxH (mm)	130x100x25				267x100x50

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

Mechanical Dimensions



Ordering Information

Part Number	Description
GFSP12	Plug-in Type PLC Splitter, 1:2
GFSP14	Plug-in Type PLC Splitter, 1:4
GFSP18	Plug-in Type PLC Splitter, 1:8
GFSP116	Plug-in Type PLC Splitter, 1:16
GFSP132	Plug-in Type PLC Splitter, 1:32
GFSP22	Plug-in Type PLC Splitter, 2:2
GFSP24	Plug-in Type PLC Splitter, 2:4
GFSP28	Plug-in Type PLC Splitter, 2:8
GFSP216	Plug-in Type PLC Splitter, 2:16
GFSP232	Plug-in Type PLC Splitter, 2:32

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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