

ABS Box PLC Splitter

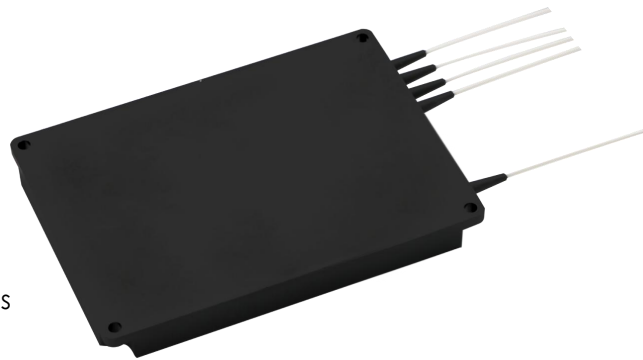
1:2, 1:4, 1:8, 1:16, 1:32, 1:64
2:2, 2:4, 2:8, 2:16, 2:32, 2:64

Description

The GrowsFiber ABS Box 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), 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

ABS Box 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

Specifications (Tested with connectors; G657A1 fiber.)

Parameters	ABS Box 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)	100x80x10		120x80x18		140x115x18	

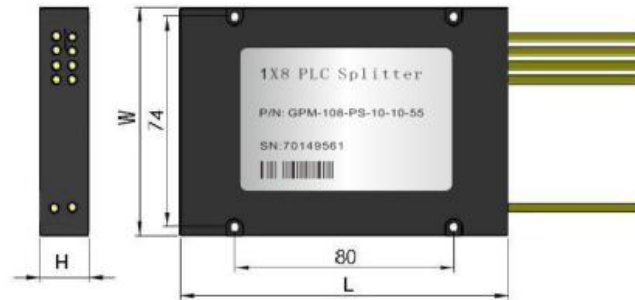
Parameters	ABS Box PLC Splitter (2:N)					
Operating Wavelength (nm)	1260 to 1650					
Split Ratio	2:2	2:4	2:8	2:16	2:32	2:64
Max Insertion Loss (dB)	4.5	7.9	11.3	14.7	17.8	21.3
Max Loss Uniformity (dB)	0.9	1.0	1.2	1.5	1.8	2.2
Max PDL (dB)	0.3		0.35		0.4	
Min Return Loss (dB)	55					
Min Directivity (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)	100x80x10		120x80x18		140x115x18	

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

Mechanical Dimensions

Example:



Ordering Information

Part Number	Description
GFPSA12	ABS Box PLC Splitter, 1:2
GFPSA14	ABS Box PLC Splitter, 1:4
GFPSA18	ABS Box PLC Splitter, 1:8
GFPSA116	ABS Box PLC Splitter, 1:16
GFPSA132	ABS Box PLC Splitter, 1:32
GFPSA164	ABS Box PLC Splitter, 1:64
GFPSA22	ABS Box PLC Splitter, 2:2
GFPSA24	ABS Box PLC Splitter, 2:4
GFPSA28	ABS Box PLC Splitter, 2:8
GFPSA216	ABS Box PLC Splitter, 2:16
GFPSA232	ABS Box PLC Splitter, 2:32
GFPSA264	ABS Box 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:

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