SHENZHEN FASTLINK COMMUNICATION GROUP CO., LTD

1U Rack Mount Splitter

General Description:

- Fiber Optic splitter is also called optical splitter,is one of the most important passive devices in optical fiber link,is with multiple inputs and multiple output end of the optical fiber connected devices.
- The fiber optic splitter by the light spligtting principle can be divided into the fused biconical taper(FBT) and planar wavegulde type(PLC).

Features:

- Low Insertion Loss,Low PDL, High Retrun Loss;
- Uniform Power Splitter
- Compact Design
- Wide Operating Wavelength
- Wide Operating Temperature
- Qualified Under Telcordia GR-1221 and GR-1209

Application:

- Optical Fiber Communication;
- CATV;
- Optical Transmission Backbone;
- Optical Fiber Test and Measurement Systems;

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Detailed Pictures:

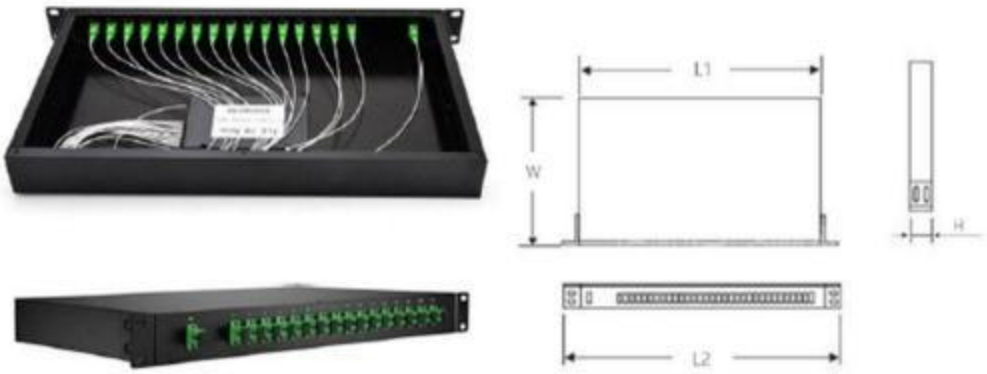
Specifications and Optical indicator（1xN）:

Specification	1x2	1x4	1x8	1x16	1x32	1x64	1x128
Fiber Type	G.657A						
Operation Wave	1260nm-1650nm						
Insertion Loss（db）	≤4.1	≤7.4	≤10.5	≤13.8	≤17.1	≤20.4	≤23.7
Uniformity (db)	≤0.8	≤0.8	≤0.8	≤1.0	≤1.5	≤2.0	≤2.0
Uniformity(db)	≤0.8	≤0.8	≤0.8	≤1.0	≤1.0	≤1.0	≤1.2
Return Loss(db)	≥50	≥50	≥50	≥50	≥50	≥50	≥50
Directivity(db)	≥55	≥55	≥55	≥55	≥55	≥55	≥55
PDL (db):	≤0.3						
Storage Temperature（℃）	-40～+85						
Operating Temperature（℃）	-40～+85						

Specifications and Optical indicator（2xN）:

Specification	2x2	2x4	2x8	2x16	2x32	2x64	1x128
Fiber Type	G.657A						
Operation Wave	1260nm-1650nm						
Insertion Loss（db）	≤4.1	≤7.4	≤10.5	≤13.8	≤17.1	≤20.4	≤23.7
Uniformity (db)	≤0.8	≤0.8	≤0.8	≤1.0	≤1.5	≤2.0	≤2.0
Uniformity(db)	≤0.8	≤0.8	≤0.8	≤1.0	≤1.0	≤1.0	≤1.2
Return Loss(db)	≥50	≥50	≥50	≥50	≥50	≥50	≥50
Directivity(db)	≥55	≥55	≥55	≥55	≥55	≥55	≥55
PDL (db):	≤0.30						
Storage Temperature（℃）	-40～+85						
Operating Temperature（℃）	-40～+85						

4. Rack mount PLC Splitter



Rack Mount PLC Splitter							
TYPE		1/2x2	1/2x4	1/2x8	1/2x16	1/2x32	1/2x64
Rack mount	Body Material	Cold Rolled Sheet					
	Dimension(L1xL2xWxH/mm)	431x482x230x44					431x482x200x88
	Input fiber type	900um/2000um loose Hytrel tube					
	Output fiber type	900um/2000um loose Hytrel tube					
	Input Length	1~1.5M (+50mm / -0mm) or Customized					
	Output Length	1~1.5M (+50mm / -0mm) or Customized					
	Connector (Input)	sc/upc, sc/apc, lc/upc, lc/apc, fc/upc, fc/apc					
	Connector (Output)	sc/upc, sc/apc, lc/upc, lc/apc, fc/upc, fc/apc					

Features:

1) Low insertion loss, Low PDL
2) Chip: Wooriro chip from Korea
3) High isolation safety performance
4) Good channel-to-channel uniformity
5) 1U, 2U,4U… different types optional,etc

Application:

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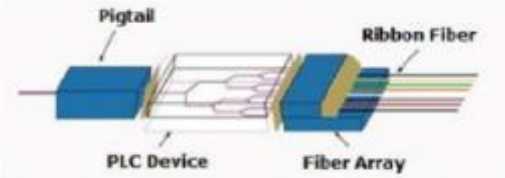
1xN & 2xN PLC SPLITTER

Description :

The high performance 1×N or 2×N, single mode, passive power splitter based on PLC technology. The device uniformly splits the optical signals present at the input ports to multiple output ports. Power splitters can also be used in the reverse direction in order to combine multiple optical signals present at the output ports into the input ports.

Applications:

- Fiber optic equipment & systems
- CATV networks
- Data communications
- Passive Optical Networks



Compliance:

- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- RoHS

Optical Specification:

1×N PLC Splitter							
Type		1x2	1x4	1x8	1x16	1x32	1x64
Fiber Type		G.657A/G.652D					
Operating Wavelength(nm)		1260 to 1650 nm					
Insertion Loss(dB)	Max(with connector)	4.2	7.5	10.6	14.0	17.4	20.5
Uniformity Loss(dB)	Max	0.6	0.6	0.8	1.2	1.5	1.8
Polariation Dependent Loss(dB)	Max	0.2	0.2	0.2	0.3	**0.3**	0.5
Return Loss (dB)		UPC≥50 APC≥60					
Operating Temperature (°C)		-40 to +85					

2×N PLC Splitter							
Type		2x2	2x4	2x8	2x16	2x32	2x64
Fiber Type		G657A/G652D					
Operating Wavelength(nm)		1260 to 1650 nm					
Insertion Loss(dB)	Max(with connector)	4.4	7.8	11.0	14.30	17.2	20.5
Uniformity Loss(dB)	Max	0.4	0.8	0.8	1.0	1.5	1.8
Polariation Dependent Loss(dB)	Max	0.2	0.2	0.2	0.3	0.3	0.4
Return Loss (dB)		UPC≥50 APC≥60					
Operating Temperature (°C)		-40 to +85					