

PLC splitter

Description

Planar Lightwave Circuit Splitter (PLC Splitters) is a technology based on planar waveguide optical power distribution products, with low insertion loss and polarization dependent loss, small size, wide operating wavelength range, high channel uniformity and good characteristics. Especially for passive optical network (EPON, BPON, GPON, etc.) to connect the central office and terminal equipment and optical signal splitter to achieve. All products comply with Telcordia GR-1209-CORE, Telcordia GR-1221-CORE, YD / T 1117-2001 and RoHS standards. Opticking provides full range of specifications of 1xN, 2xN models, and customized specifications of splitters.

Features

- Ultra-end insertion loss and associated loss of polarization
- good spectral uniformity
- wide wavelength bandwidth,
- a wide range of working environment
- High reliability
- Small Size

Applications

- can be widely used for FTTX
- Passive Optical Network (OPN)
- Cable TV Network (CATV)
- Other optical signal splitter system

Standard compliance

- Telcordia GR-1209-CORE
- Telcordia GR-1209-CORE
- YD/T1117-2001

Specifications

		1 x N					
Parameters	Unit	Specification					
		1x2	1x4	1x8	1x16	1x32	1x64
Operating Wavelength	nm	1260-1650					
Insertion Loss	standar	3.6	7.0	10.2	13.3	16.5	20.0
	MAX (P/S)	4.0/4.3	7.2/7.4	10.5/10.8	13.8/14.0	17.0/17.2	20.5/21.0
PDL	dB	≤0.2	≤0.2	≤0.2	≤0.3	≤0.3	≤0.3
Loss Uniformity	dB	≤0.6	≤0.8	≤1.0	≤1.4	≤1.6	≤1.9
Return Loss(P/S)	dB	≥55/50	≥55/50	≥55/50	≥55/50	≥55/50	≥55/50
Wavelength Dependent Loss	dB	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Fiber Length	m	1.2(±0.1)or customer specified					
Fiber Type		Corning SMF-28e or customer specified					
Temperature Stability (-40 to +85℃)	dB	≤0.5					
Operation Temperature	℃	-40 to +85					
Max Optical input power	mW	300					

Remark :1 operating wavelength is warranty by the design. The testing result offers the data of the 1310 . 1550nm.

2 The data above include the loss of the connector.

		2 x N					
Parameters	Unit	Specification					
		2x2	2x4	2x8	2x16	2x32	2x64
Operating Wavelength	nm	1260-1650					
Insertion loss (P/S)	dB	4.2/4.5	7.4/7.6	10.7/11.0	14.0/14.6	17.4/17.8	21.0/21.5
PDL	dB	≤0.2	≤0.2	≤0.2	≤0.3	≤0.3	≤0.3
Loss Uniformity	dB	≤0.6	≤0.8	≤1.2	≤1.5	≤2.0	≤2.5
Return Loss(P/S)	dB	≥55/50	≥55/50	≥55/50	≥55/50	≥55/50	≥55/50
Wavelength Dependent Loss	dB	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Fiber length	m	1.2(±0.1)or customer specified					
Fiber type		Corning SMF-28e or customer specified					
Wavelength Dependent Loss	dB	≤0.5					
Temperature stability (-40 to +85℃)	dB	≤0.5					
Operating /storage temperature	℃	-40 to +85					
Max Optical input power	mW	300					

Remark :1 operating wavelength is warranty by the design. The testing result offers the data of the 1310 . 1550nm.

2 The data above include the loss of the connector.

Products Series

PLC Splitter



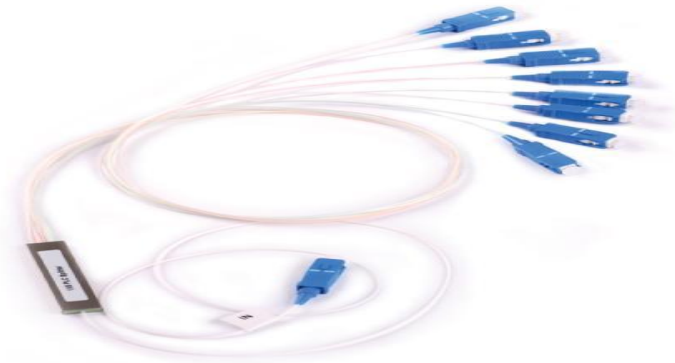
type	1x2	1x4	1x8	1x16	1x32	1x64	2x2	2x4	2x8	2x16	2x32
L X W x H	40x4x4		50x7x4			60x12x4	55x4x4		55x7x4		

PLC splitter with Fan-out



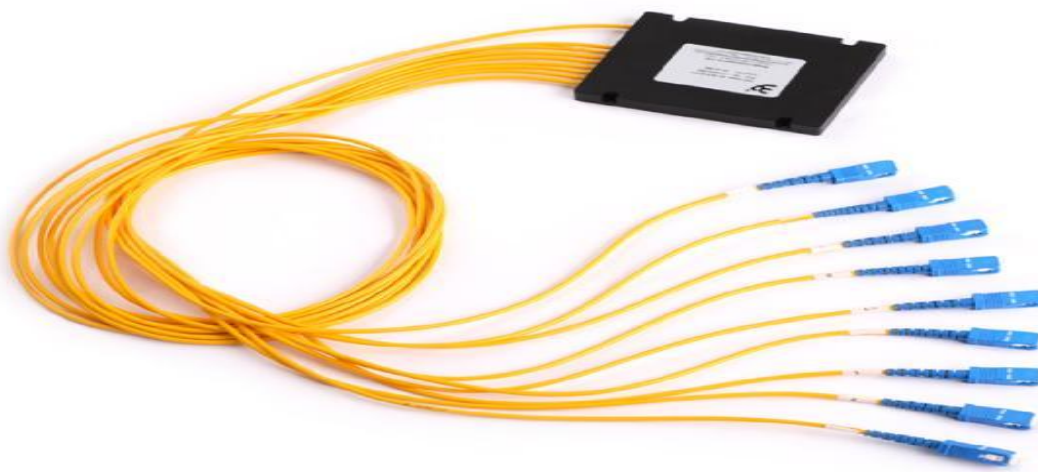
type	1x2	1x4	1x8	1x16	1x32	1x64	2x2	2x4	2x8	2x16	2x32
L X W x H	40x4x4		50x7x4			60x12x4	55x4x4		55x7x4		

Blockless PLC splitter



Item	1x2	1x4	1x8	1x16	1x32	2x2	2x4	2x8	2x16	2x32
L x W x H	55x7x4			60x12x4	80x20x6	60x7x4			60x12x4	80x20x6

PLC splitter with box



Item	1x2	1x4	1x8	1x16	1x32	1x64	2x2	2x4	2x8	2x16	2x32
Lx W x H	100x80x10			120x80x18	120x80x18/ 140x114x18	140x114x18	100x80x10			120x80x18	140x114x18
Locating hole (L x W)	70x74			80x74	80x74/ 100x106	100x106	70x74			80x74	100x106

PLC Splitter Box



R type box



Standard 19 inch 1U panel



Pallet type



Wall mounting type

Splice closure PLC splitter

