



FIBERMANIA

Shenzhen FiberMania Technology Co., Ltd.
optical-fibercables.com

1U 19" Rack Mount Optical PLC Splitter With 1×2 SC APC Connectors / Adapters Loaded

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: FIBERMANIA
- Certification: CE, RoHS
- Model Number: PA10220SASA10
- Minimum Order Quantity: 10 Pieces
- Price: Negotiable
- Packaging Details: PE Bag+Carton
- Payment Terms: T/T, Western Union, L/C
- Supply Ability: 1000 Pieces



Product Specification

- Name: Optical PLC Splitter
- Enclosure Type: Rack Mountable
- Configuration Type: 1x 2
- Fiber Mode: OS2 9/125μm
- Adapter Type: SC/APC
- Material: SPCC (Black Coating)
- Dimensions (HxWxD): 44x435x229.1mm
- Insertion Loss: ≤4.0dB
- Return Loss: ≥55dB
- Highlight: Rack Mount PLC Splitter, Optical PLC Splitter, PLC Splitter 1X2



More Images



Product Description

1U 19" Rack Mount Optical PLC Splitter with 1×2 SC APC Connectors and Adapters Loaded

(Rack type: No connector, SC/UPC, SC/APC...FC can be choosen). PLC (Planar Lightwave Circuit) splitters are Single Mode Splitters with an even split ratio from one input fiber to multiple output fibers. It is based on planar lightwave circuit technology and provides a low cost light distribution solution with small form factor and high reliability. We provide a various of 1×N and 2×N PLC splitters, including 1×2 to 1×64 and 2×2 to 2×64 1U Rack Mount type fiber PLC splitters. They are all with superior optical performance, high stability and high reliability to meet various application requirements.

Features

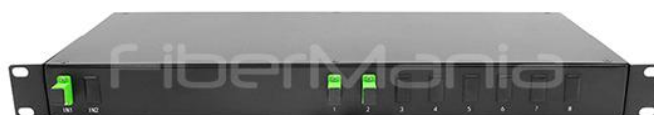
1. Broadband Operation Wavelength
2. Low Insertion loss
3. Low PDL
4. Compact Design
5. Good channel-to-channel uniformity
6. High Reliability and Stability
7. Pass Telcordia GR-1209-Core Reliability Test
8. Pass Telcordia GR-1221-Core Reliability Test
9. RoHS Compliance

Applications

1. Fiber optical access network
2. Passive fiber optical network
3. Cable TV network
4. Digital communication
5. Fiber optical sensing system
6. Test equipment

Specifications

Item		Unit	Parameter					
Operating Wavelength		(nm)	1260 ~ 1650					
1×N PLC Splitter		--	1×2	1×4	1×8	1×16	1×64	1×128
Insertion Loss	MAX(P/S)*	(dB)	3.8/4.0	7.0/7.4	10.5/10.7	13.6/13.9	21/21.5	24/24.5
Uniformity	MAX(P/S)	(dB)	0.6/0.6	0.6/0.7	0.8/1.0	0.9/1.2	1.7/1.9	2.2/2.5
Return Loss	MIN	(dB)	55					
PDL	MAX(P/S)	(dB)	0.15/0.25	0.15/0.25	0.2/0.25	0.2/0.3	0.25/0.35	0.4/0.45
2×N PLC Splitter		--	2×2	2×4	2×8	2×16	2×64	--
Insertion Loss	MAX(P/S)	(dB)	4.0/4.3	7.4/7.6	10.7/11.0	14/14.5	21.4/21.9	--
Uniformity	MAX(P/S)	(dB)	0.9/1.1	1.0/1.2	1.0/1.2	1.2/1.5	2.0/2.3	--
Return Loss	MIN	(dB)	55					
PDL	MAX(P/S)	(dB)	0.25/0.3	0.25/0.3	0.25/0.3	0.3/0.35	0.35/0.4	--
Fiber Type		--	ITU-T G657A1, G657A2					
Temperature Stability(-40~85°C)	MAX	(dB)	0.5 (Typical 0.3)					
Operating Temperature		(°C)	-40 ~ 85					
Storage Temperature		(°C)	-40 ~ 85					





FAQ

Q1: I know that ~5 nanoseconds of propagation delay per meter of singlemode fiber is expected. Since both FBT and PLC splitters are passive, is there a latency difference between them?

A: No, both FBT and PLC have no delay issues.

Q2: Does it come with internal splitters?

A: Yes, I purchased it. It does.

Q3: Can you do 3D interferometer test?

A: Yes, we do the 3D test per our customer's request, we can have the pass rate over 90% and even 100% if necessary.

Q4: What is your MOQ of your products?

A: We only have MOQ for some special customized cable order, we request 1km as the total length of the bulk cable, you may consider stock the bulk cable with us for your urgent order production.

Q5: Are free samples available from you?

A: Yes, we are always happy to offer the free samples for all of our customers' projects provided that the total cost is under 50 US dollars.

Q6: I've got a SC splitter, and I want to extend the cable length now. Can I use an adapter and SC fiber optics to make it? Will this affect the signal attenuation and insertion loss? A: It will work. You'd better use a good quality cable to diminish the impact.



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