

Basic Information

- Place of Origin:
- Brand Name:
- Certification: CE, RoHS
- Model Number:
- Minimum Order Quantity: 10 Pieces
- Price:
- Packaging Details:
- Payment Terms: T/T, Western Union, L/C
- Supply Ability:



Product Specification

- Dimensions (HxWxD):
- Adapter Type:
- Material:
- Wavelength:
- Configuration Type:
- Insertion Loss:
- Return Loss:
- Name:
- Fiber Mode:
- Highlight:

44x435x229.1mm SC/APC

Shenzhen, China

PA10320SASA10

FIBERMANIA

Negotiable

PE Bag+Carton

1000 Pieces

- SPCC (Black Coating)
- 1260~1650nm
- ype: Rack Mount Optical Splitter
 - ≤6.0dB
 - ≥55dB
 - 1x3 PLC Splitter
 - OS2 9/125µm
 - CATV Links PLC Splitter, 1x3 PLC Splitter, PLC Optical Splitter



More Images



Product Description

1U 19" Rack Mount Optical PLC Splitter with 1×3 SC APC Connectors and Adapters Loaded

Optical fiber PLC splitters are integrated waveguide optical power distribution devices based on quartz substrates, specifically designed for connecting terminal equipment in PON networks. These splitters divide optical signals in fiber communication systems into multiple outputs, featuring a compact size, low insertion loss, uniform power distribution, and excellent environmental adaptability. Utilizing planar lightwave circuit (PLC) technology, they are single-mode splitters that provide an even split ratio from one input fiber to multiple output fibers. With a range of options from 1×2 to 1×64 and 2×2 to 2×64 in 1U rack mount configurations, these PLC splitters offer a cost-effective light distribution solution, ensuring high reliability and superior optical performance to meet diverse application needs.

Features

- 1. Low Insertion loss
- 2. Low PDL
- 3. High Return Loss
- 4. Uniform Power Splitting 5. Compact Design
- 6. Wide Operating Wavelength
- 7. Wide Operating Temperature
- 8. Excellent Environmental & Mechanical Stability
- 9. Qualified Under Telcordia GR-1221 and GR-1209

Applications

- 1. Fiber optic communication system
- 2. FTTX access network based on PON structure
- 3. Local loop and passive optical network (PON)
- 4. CATV network
- 5. LAN, WAN and MAN
- 6. Testing equipments

Specifications

Parameter		Value						
Product Type		1×2/2x2	1×4/2x4	1×8/2x8	1×16/2x16	1×32/2x32	1×64/2x64	1×128/2x128
Wavelength(nm)		1260~1650						
I.L(dB)	Тур.	3.6/4.2	7.1/7.2	10.4/10.6	13.6/13.8	17.2/17.5	20.1/20.5	25.0/25.2
	Max.	4.3/4.5	7.4/7.6	10.7/11.0	14.0/14.8	18.0/18.0	21.5/21.5	25.8/25.8
Uniformity(Max.)(dB)		0.5/0.8	0.8/1.0	1.0/1.2	1.4/1.5	1.6/1.8	2.0/2.5	2.6/3.0
PDL(Max.)(dB)		0.2/0.2	0.3/0.3	0.3/0.3	0.3/0.3	0.3/03	0.5/0.5	0.8/1.0
TDL(Max.)(dB)		0.5						
R.L(dB)		≥55(APC)/≥55(UPC)						
Directivity(dB)		≥55						
Operating & Storage		-40~+85						
Temperature								
Note: All the data above does not include connectors.								

UPC Connectors: IL add 0.2 dB, APC Connectors: IL add 0.3 dB.





FAQ

Q1: How do PON Splitters and PLC Splitters perform in different environmental conditions? A: PLC Splitters have better temperature stability and environmental adaptability, making them reliable under various harsh conditions. PON Splitters have relatively lower environmental adaptability and are best suited for conditions with minimal temperature and environmental changes.

Q2: What are PON Splitters and PLC Splitters? What are the main differences between them?

A: PON Splitters (Passive Optical Network Splitters) and PLC Splitters (Planar Lightwave Circuit Splitters) are both devices used to distribute optical signals to multiple endpoints. The main differences lie in their manufacturing techniques and performance: 1. PON Splitters use fused biconical taper (FBT) technology, suitable for smaller split ratios and cost-sensitive applications. 2. PLC Splitters use planar lightwave circuit technology, offering lower insertion loss and better uniformity, ideal for large-scale splitting and high-performance applications.

Q3: Which splitter should I choose if I need to upgrade my existing fiber network?

A: It depends on your specific needs. If you need to improve network performance and scale up, a PLC Splitter is the right choice. A PON Splitter will suffice for basic requirements if you are doing a small-scale expansion on a tight budget.

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: Do you accept OEM and ODM orders?

A: Absolutely yes, we have been doing OEM services since we start in this business, and for every single label, printing, bag and carton design, we always treat it seriously and do it nicely. Our engineers can help you with your current design and even can open the new tooling for your specific project.

