



FIBERMANIA

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

Single Mode 1X2 PLC Fiber Splitter With SC APC Fiber Connectors

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: FIBERMANIA
- Certification: CE, RoHS
- Model Number: PA10220SASA20
- Minimum Order Quantity: 10 Pieces
- Price: Negotiable
- Packaging Details: Blister Box
- Payment Terms: T/T, Western Union, L/C
- Supply Ability: 1000 Pieces



Product Specification

- Split Ratio: Symmetrical
- Input/Output OD: 2.0mm
- Fiber: G652D, G657A1
- Name: 1x2 Optical Splitter
- Package Style: ABS Module
- Connector Type: SC/APC
- Fiber Mode: Single Mode
- Insertion Loss: $\leq 4.0\text{dB}$
- Return Loss: $\geq 55\text{dB}$
- Highlight: 1X2 PLC Fiber Splitter, 1x2 Optical Splitter, Fiber Splitter 1x2



More Images



Product Description

1X2 PLC Splitter with ABS Module input of output 2.0mm With SC APC Fiber Connectors

PLC splitters are characterized by low insertion loss, which means that most of the incoming optical signals can be effectively transmitted to the output ports, reducing signal attenuation and enhancing the overall performance of the system. They are widely used in various applications, including Fiber to the Home (FTTH), Passive Optical Networks (PON), data centers, and communication base stations, playing a critical role in the distribution and management of optical signals. The unique design of PLC splitters enables uniform power distribution of optical signals, ensuring consistent light intensity across multiple output ports and minimizing signal degradation. Additionally, these devices typically exhibit excellent environmental adaptability, allowing them to operate reliably under varying temperature and humidity conditions, making them suitable for a wide range of indoor and outdoor environments.

Features

1. Tight and fine structure
2. Excellent parameters on IL & RL
3. High reliability and directivity
4. Non-sensitive wavelength
5. Good high temperature low temperature performance
6. Convenient engineering applications
7. Fine polarization
8. Wide scope wavelength

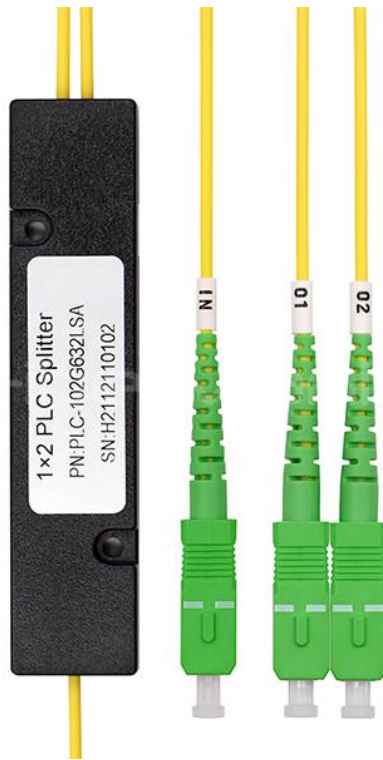
Applications

1. Fiber optical communication system
2. Fiber optical sensors
3. CATV System
4. LAN System
5. WAN System

Specifications

| Parameters | 1×2 | 1×4 | 1×8 | 1×16 | 1×32 | 1×64 |
|--------------------------------------|-------------------------------|---------|-----------|-----------|-----------|-----------|
| Operating Wavelength (nm) | 1260~1650 | | | | | |
| Fiber Type | SMF-28e or customer specified | | | | | |
| Insertion Loss (dB)(S/P Grade) | 4.0/3.8 | 7.3/7.0 | 10.5/10.2 | 13.7/13.5 | 16.9/16.5 | 21.0/20.5 |
| Loss Uniformity (dB) | 0.4 | 0.6 | 0.8 | 1.2 | 1.5 | 2.5 |
| Return Loss (dB) (S/P Grade) | 50/55 | 50/55 | 50/55 | 50/55 | 50/55 | 50/55 |
| Polarization Dependent Loss(dB) | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 4 |
| Directivity (dB) | 55 | 55 | 55 | 55 | 55 | 55 |
| Wavelength Dependent Loss(dB) | 0.3 | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 |
| Temperature Stability(-40~85 °C)(dB) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Operating Temperature (°C) | -40~85 | | | | | |
| Storage Temperature (°C) | -40~85 | | | | | |





FAQ

Q1: Can you tell me how long the fibers are? I need fibers about 2 meters long.

A: The default fiber is 1.5m. We can customize 2m long fiber and other length.

Q2: The 1x32 one is 1U, what about 1x64 and 1x128?

A: 1x64 is 1U, 1x128 is 2U.

Q3: Do you know what the limit in dBm is for the PLC I check the datasheet for this and it does not state the limit in dBm for the input and output ports of this splitter.

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: 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.

 **FIBERMANIA** Shenzhen FiberMania Technology Co., Ltd.

 17704025189

 sales@fiber-mania.com

 optical-fibercables.com

3F, Building A2, Yinlong Industrial Park, Longdong, Longgang District, Shenzhen, China, 518116