1x2 PLC Fiber Splitter With ABS Module Input Of Output 2.0mm No Connector

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: FIBERMANIA
- Certification: CE, RoHS
- Model Number: PA10220000030
- Minimum Order Quantity: 10 Pieces
- Price: Negotiable
- Packaging Details: Blister Package Plus Carton
- Payment Terms: T/T, Western Union, L/C
- Supply Ability: 1000 Pieces

Product Specification

- Features: High Stability And Reliability
- Name: 1x2 PLC Fiber Splitter
- Used In: FTTH / FTTX
- Package Style: Steel Tube, Bare Fiber
- Connector Type: None
- Fiber Mode: Single Mode
- Input/Output OD: 2.0mm
- Insertion Loss: ≤4.0dB
- Return Loss: ≥55dB
- Highlight: **1x2 PLC Fiber Splitter**, **Fiber Optic Splitter 1x2**, **1x2 Fiber Optic Splitter**

More Images

Our Product Introduction

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Product Description

1X2 PLC Splitter With ABS Module Input Of Output 2.0mm Without Fiber Connectors

PLC splitters are optical distribution devices based on planar lightwave circuit technology, primarily used in fiber optic communication systems. Their main function is to evenly distribute incoming optical signals to multiple output ports. This distribution is achieved through microstructures integrated into an optical substrate. When an optical signal enters the input port, it travels through a specially designed waveguide network, which ensures uniform distribution across the multiple output ports. PLC splitters are widely utilized in various applications, including Fiber to the Home (FTTH), Passive Optical Networks (PON), data centers, and communication base stations. They play a crucial role in the allocation and management of optical signals. Typically, PLC splitters exhibit excellent environmental adaptability, allowing them to operate reliably under varying temperature and humidity conditions, making them suitable for a wide range of applications.

Features

1. Ultra-end insertion loss and associated loss of polarization
2. Good spectral uniformity
3. Wide wavelength bandwidth
4. Wide range of working environment
5. High reliability
6. Small

Applications

1. FTTx Systems
2. Digital, hybrid and AM-Video systems
3. LAN,WAN and Metro Networks
4. CATV systems
5. Other applications in fiber optic systems

Specifications

Port Configuration		1x2	1x4	1x8	1x16	1x32	1x64
Fiber Type	SMF-28e or customer specified						
Operating Wavelength (nm)	1260~1650						
Insertion Loss (dB)	Typical	3.6	6.8	10.2	13.3	16.2	20.5
	Max	4	7.4	10.5	13.5	16.9	21
Loss Uniformity (dB)	Max	0.5	0.7	1	1.4	1.8	2
Return Loss (dB)	Min	55	55	55	55	55	55
Polarization Dependent Loss(dB)	Max	0.2	0.2	0.3	0.3	0.3	0.4
Directivity (dB)	Min	55	55	55	55	55	55
Wavelength Dependent Loss(dB)	Max	0.3	0.3	0.3	0.8	0.5	0.8
Temperature Dependent Loss (-40~85 ºC) (dB)	Max	0.5	0.5	0.5	0.8	0.8	1
Operating Temperature (ºC)	-40~+85						
Storage Temperature (ºC)	-40~+85						
Packaging Size (mm)	Fan-Out	60x7x4	60x7x4	60x7x4	60x12x4	80x20x6	80x20x6

FAQ
Q1: Is it possible to get the legs in 2 mill instead of 900 micron?
A: No, the legs of this product can not be in 2 mill, because its housing is mini module.

Q2: What is the splitting ratio? 50:50 or some other value.
A: Hi, thanks for your question here. Yes, for our PLC Fiber Splitter, its splitting ratio is 50:50 as default and it can only be 50:50.

Q3: Just purchased and received in a timely manner. My question is how does it work? Are they supposed to plastic tip end? I tried to connect it to my optical plug but the green part was in the way and the tip was stuck, only a portion would stick out. I meant to buy this because I have a soundbar with only optical output. I have an android box and TV but I constantly have to switch the optical cable from the android box and TV . Please help
A: Yes, they are plastic tip ends. For its work way, details will come to you by email. Thanks!

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.

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