

PLC Planar Lightwave Circuit Splitter With 1×24 SC APC Connectors And Adapters Loaded

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: FIBERMANIA
- Certification: CE, RoHS
- Model Number: PA12420SASA10
- 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: PLC Planar Lightwave Circuit Splitter
- Used In: FTTH / FTTX
- Enclosure Type: Rack Mountable
- Connector: SC, LC, FC, ST, MPO Etc.
- Material: SPCC (Black Coating)
- Configuration Type: 1x 24
- Dimensions (HxWxD): 44x435x229.1mm
- Insertion Loss: ≤16dB
- Return Loss: ≥55dB
- Highlight: **PLC Planar Lightwave Circuit Splitter, Planar Lightwave Circuit Splitter 1×24**



More Images



Product Description

1U 19" Rack Mount Optical PLC Splitter with 1×24 SC APC Connectors and Adapters Loaded

Optical fiber PLC splitter is an integrated waveguide optical power distribution device based on quartz substrate, which is especially suitable for connecting the terminal equipment in the PON network and dividing the optical information in the optical fiber communication system into multiple outputs. It has the characteristics of small size, compact mechanism, low insertion loss, uniform power distribution, and good environmental adaptability.

Features

1. FTTH
2. Reliable
3. Monitoring
4. Smaller size
5. CATV System
6. Good Uniformity
7. Network Protection
8. Low Polarization loss
9. Access/PON Distribution
10. Not Sensitive to wavelengths

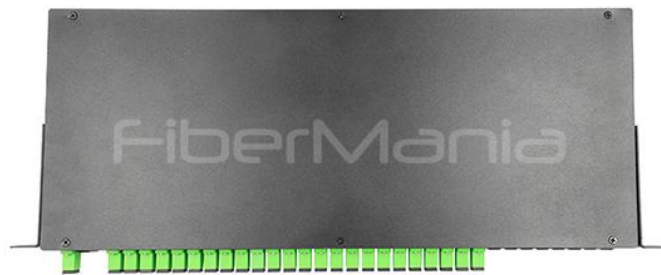
Applications

1. LAN, WAN and Metro Networks
2. FTTH project & FTTX Deployments
3. CATV System
4. GPON, EPON
5. Fiber Optic Test Equipment
6. Data-base Transmit Broadband Net

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: I was wondering the power limit of PLC.

A: PLC is a passive product, generally no power involved. But, it's usually supported to use under 500mW.

Q2: Can this ABS module install in a outdoor PON cabinet?

A: Yes, the cabinet can protect PLC.

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: The PLC works without dBm, as it's a passive product. But, it's usually supported to use under 500mW.

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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