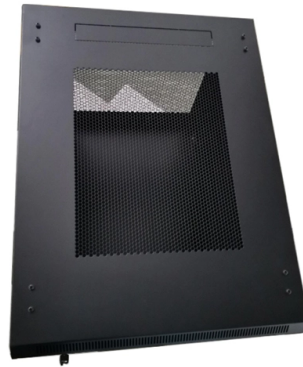


# Specifications of PLC Optical Splitter



## Summary of Content

PLC optical splitters are passive devices that evenly divide a single optical signal into multiple outputs with high uniformity, low loss, and scalable configurations.

### Key Features

1. Uniform Signal Distribution: PLC splitters ensure consistent optical power across all output ports, minimizing signal degradation and maintaining network performance .
2. High Splitting Ratios: They can support splitting ratios up to 1x64 or even 1x128, making them suitable for large-scale fiber networks .
3. Low Insertion Loss: The planar waveguide technology reduces signal loss compared to traditional FBT splitters, ensuring efficient transmission .
4. Compact and Scalable Design: PLC splitters are small in size and can be easily integrated into centralized or distributed PON architectures, supporting network expansion without major infrastructure changes .
5. Wide Wavelength Range: They operate effectively across a broad wavelength spectrum, typically covering 1260–1650 nm, which is ideal for FTTH, PON, and CATV networks .
6. High Reliability and Stability: Manufactured using semiconductor planar waveguide technology, PLC splitters offer consistent performance, long-term stability, and resistance to environmental variations .
7. Passive Operation: Being passive devices, they do not require power, reducing operational costs and network complexity .
8. Versatile Configurations: Available in multiple configurations such as 1x2, 1x4, 1x8, 1x16, 1x32, 1x64, and 1x128, allowing network designers to select the appropriate splitter based on the number of endpoints .

### Applications

PLC optical splitters are widely used in:

## Article Content

OPTICO1x128 PLC Splitter Datasheet

Planar lightwave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide

Planar Light Circuit (PLC) Optical Splitters

Corning's Planar Light Circuit (PLC) splitters are fully passive optical branching devices that exhibit uniform signal-splitting for the

PLC Optical Splitters Detailed Explanation Of The

PLC optical splitters (planar waveguide optical splitter) is a key component in optical fiber

OPTICO Standard PLC Splitter Datasheet

OPTICO Standard PLC Splitter Datasheet Widely used in passive optical networks (such as EPON, GPON, BPON, FTTX, FTTH,

SPL2605 Compact Optical Splitter Datasheet 02

SPL2605 is a compact optical splitter datasheet by Huawei, providing technical specifications and features for

PLC Splitters | OEM Optical Communication Solutions | Corning

Corning's QuickPath™ PLC optical splitters reduce insertion loss and deliver high performance. These devices enable more effective

PLC Splitters Spec Sheet

They perform uniformly over a wide spectral range, with ultra-low losses. PPC splitters are highly compact, reliable and available in

PLC Splitter (Standard Grade)

Corning Optical Communications reserves the right to improve, enhance, and modify the features and specifications

The Definitive Guide to Fiber Optic PLC Splitter in 2022

With the rise of 5G and other new technologies, fiber optic networking is becoming increasingly important. And with that

Bare Fiber PLC Fiber Splitter Data Sheet | FS

FS Bare Fiber Splitters are engineered for high-density networks, offering exceptional scalability and reliability. FS PLC splitters

Bare Fiber PLC Fiber Splitter Data Sheet | FS

Planar Lightwave Circuit (PLC) Splitter is a type of passive optical component using silica optical waveguide technology to distribute

ABS Module PLC Fiber Splitter Data Sheet | FS

With its compact structure, stable optical characteristics, robust performance and reliable certification, FS PLC splitter solutions

PLC Splitter: The Ultimate Guide to Efficient Light Distribution

A PLC Splitter divides one optical signal into multiple outputs, ensuring reliable, efficient fiber optic network

Optical-PLC-Splitter-Specification

Each Splitter will be conditioned by unit. The Splitter is maintained in the packaging and the fibers are arranged by respecting the

Planar Lightwave Circuit (PLC) Splitter

Description The Gigalight Planar Lightwave Circuit (PLC) splitter is a type of optical power management device based on silica

PLC Fiber Splitter: A Critical Component in Fiber Optic Networks

In conclusion, the PLC Fiber Splitter is a critical component in modern fiber optic infrastructure. Its ability to efficiently

Multi-Wavelength Passive Optical Splitters

Product Description Single-mode Fiber PLC splitter (Planar Lightwave Circuit). Maxcom PLC splitters provide a low-cost solution for

OPT-B-2018-05-PLC-ENG\_DEF dd

Optotec PLC splitters are based on silica-on-silicon technology and have excellent optical, reliability and size characteristics

Fiber Optic Passive Device Manufacturer ODM JDM | HYC Co., Ltd

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

LGX Cassette PLC Fiber Splitter Datasheet | FS

Planar lightwave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide

Comprehensive Guide to Optical Splitters

An optical splitter is a crucial passive fiber optic device that splits and combines optical

## PLC Splitter

A PLC Splitter is a component that splits the optical light power from one route into different routes. The Molex PLC Splitter offers

### FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

### Datasheet PLC Splitter

The PLC Splitter is designed to split one or two optical signals into multiple output ports. It features low insertion loss, high uniformity

### Planar Light Circuit (PLC) Optical Splitters

These splitters are manufactured and tested to GR-1209/1221 to provide the high performance and reliability needed in the outside

## Contact Us

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