

Planar waveguide splitter technology



Overview

PLC splitter, or the Planar Waveguide Circuit splitter, is a passive device to divide one or two optical signals to multiple signals uniformly or combine multiple signals to one or two optical signals. It's often used in PON (EPON, GPON, BPON, FTTX) networks. It is a passive optical device with many input and output terminals, especially applicable to. Planar lightwave circuit (PLC) splitter is fabricated using silica optical waveguide technology and offers a low cost solution for optical signal distribution. These planar silica waveguide devices are packaged in small-form-factor housings to offer compact management into modules and. The planar waveguide splitters are a good alternative to multi-channel splitters. They do not have to be assembled in cascading order and can therefore be quite compact in size. You have questions?

LASER COMPONENTS.



Article Content

Millimeter-Wave Wideband Waveguide Power Divider with Improved ...

His research interests include the area of terahertz receiver technology, especially microfabrication and characterization of

PLC Splitter: An In-depth Exploration of Planar Lightwave Circuit Splitters

PLC (Planar Lightwave Circuit) splitters are crucial components in optical networks, facilitating the distribution of optical

Broadband Planar Waveguide Power Splitter Based on Symmetrical S

In this paper, 1×8 s – bend – arc based symmetrical and wavelength insensitive optical beam splitter is modeled using beam

Planar Lightwave Circuit (PLC) Splitter | Gigalight Datasheets

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

Full Planar waveguide Design with Complementary Split Ring

Split ring resonators SIW technology is proven, therefore, to be a suitable candidate for building millimeter-wave components such as

Planar Waveguide Splitters

Planar waveguide splitters are a good alternative to multi-channel splitters. They do not have to be assembled in cascading order

A Novel Planar Waveguide Super-Multiple-Channel Optical Power Splitter

In this paper, we have proposed a novel planar waveguide optical-power-splitter design with a large number of splitting channels.

Silicon-Based Waveguide Technology for Wavelength Division

Abstract. This chapter reviews the application of silicon-based planar waveguide components for wavelength division multiplexing

Planar Waveguide Optical Splitter (1×32) | FIBERONE

The FIBERONE 1×32 Planar Waveguide Optical Splitter is an essential component for high-density fiber optic infrastructures. This

PLC Splitters

PLC Splitter Product Description: Planar lightwave circuit (PLC) splitter is fabricated using silica optical waveguide technology and

Planar Light Circuit (PLC) Optical Splitters

Planar Light Circuit (PLC) Optical Splitters Corning's Planar Light Circuit (PLC) splitters are fully passive optical branching devices

Contact Us

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