PLC Fiber Optic Splitter

This planar lightwave circuit (PLC) splitter is an optical power management device fabricated with silica optical waveguide technology. It is widely used in PON networks to realize optical signal power splitting due to its small size, high reliability, and good channel-to-channel uniformity.

Product Overview

Planar Lightwave Circuit (PLC) Splitters

Planar Lightwave Circuit (PLC) splitters are high-performance single-mode splitters designed for efficient optical signal distribution. They feature an even split ratio from one input fiber to multiple output fibers, ensuring consistent signal integrity. With low insertion loss and high return loss, these splitters are ideal for fiber optic communication systems and optical fiber sensors.

Technical Specifications

Key Performance Metrics

0 Low	0 High	0 Low
Insertion Loss	Return Loss	PDL

Configuration Options	1xN, 2xN
Fiber Mode	Single Mode

Customization

Available Customizations

- Various connector types
- Custom fiber lengths

Applications

Primary Applications

Optical signal distribution • Optical fiber sensors • Fiber optic communication systems