



LEAD Fiber Optics PRODUCT CATALOGUE

PLC SPLITTER

PLC Splitter



The PLC Splitters is branching devices that is used to distribute optical signals to multiple locations for processing. In optical networks, it is often necessary to split an optical signal into many identical signals, or to combine many signals into a single signal.

PLC Splitter (Planar lightwave circuit splitter) is a type of optical power management device that is fabricated using silica optical waveguide technology. They are designed for FTTx Passive Optical Networks, **CWDM**, **DWDM** and optical cable TV System. PLC Splitter is responsible to distribute the signal from CO to numbers of premises.

Our PLC Splitter performs superbly across temperature and wavelength providing low insertion, low PDL, excellent uniformity and low return loss in configuration of 1x2, 1x4, 1x8, 1x16...upto 1x64 PLC Splitter and 2x2, 2x4,2x8, 2x16....upto 2x32 PLC splitter. They are with a wide range of working wavelength from 1260nm to 1620nm.

We provide PLC Splitter with various kinds of **Fiber Connectors** and **Fiber cable** length to meet your requirement, Custom packaging and metal fittings are also available.

LFO 1xN PLC Splitter Series



1xN PLC Splitter

1xN PLC splitter is built using the unique silica glass waveguide process. The device has low Insertion Loss, low Polarization Dependent Loss and high port uniformity. The 1xN PLC Splitter are available in 8, 16 and 32 channel configurations, with connector type open to customer specification. Custom packaging and metal fittings are also available.

1xN PLC Splitter

Features

- Environmentally stable
- Easy installation
- Custom-Defined Specification
- Low insertion Loss
- High uniformity
- High reliability

Applications

- Metro
- Network protection
- Monitoring
- Access/PON distribution
- CATV



Specifications

ITEM	VALUES		
Type	1x8	1x16	1x32
Typical Insertion Loss, dB	≤ 10.7	≤ 14.5	≤ 18
Uniformity, dB	≤ 1.0	≤ 1.5	≤ 2.0
Operation Wavelength ,nm	1310/1550 dual window		
Directivity, dB	≥ 50		
Optical Input Return Loss, dB	≥ 50		
Polarization Dependent Loss, dB	≤ 0.3		
Package size, nm(±0.2nm) (LxWxH)	45 x 5.0 x 45,	40 x 4.0 x 4.0,	65 x 8.0 x 4.5
Operation Temperature, °C	-40°C ~ 85°C		
Storage temperature, °C	-20 °C ~ 70°C		
Connectors	FC, SC , LC , MU or ribbon		

