

PLC (bare fiber) Splitter Specification

Application:

Planar light wave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON networks to realize optical signal power splitting. Ribbon fiber, compact design.

PLC Splitter 1*2, 1*4, 1*8, 1*16, 1*32, 1*64, without connectors, input port fiber length 1.5m, output port fiber length 1.5m, 250um diameter, G657A1 fiber.

Feature:

- ✧ Small size and aesthetic appearance.
- ✧ Installation quick, reliable performance, stability.
- ✧ Employ integrated optic production process.
- ✧ Wide operating wavelength range.
- ✧ Good uniformity, in particular the application of PON.
- ✧ Optical fiber: G.657A1 Fiber
- ✧ Meet GR-1209-CORE and GR-1221-CORE requirements.



Note: the picture provides a reference only.

Technical characteristics for splitter:

Type	1X2	1X4	1X8	1X16	1X32	1X64
Model No.	MCR-PLC-BFD 1x2/4/8/16/32/64					
Channel wavelength(nm)	1260-1650nm					
Test Wavelength	1310/1550nm					
Insertion loss(dB) (± 0.3)	≤ 3.5	≤ 7.0	≤ 10.2	≤ 13.5	≤ 16.6	≤ 21.1
Loss Uniformity (dB)	≤ 0.6	≤ 0.7	≤ 1.0	≤ 1.2	≤ 1.4	≤ 2.0
Polarization dependent loss(dB)	≤ 0.20	≤ 0.25	≤ 0.30	≤ 0.30	≤ 0.30	≤ 0.35
Return loss (dB)	≥ 55					
Fiber Type	ITU-T G657 D or G657 A Fiber					

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If you need more information, please contact us!