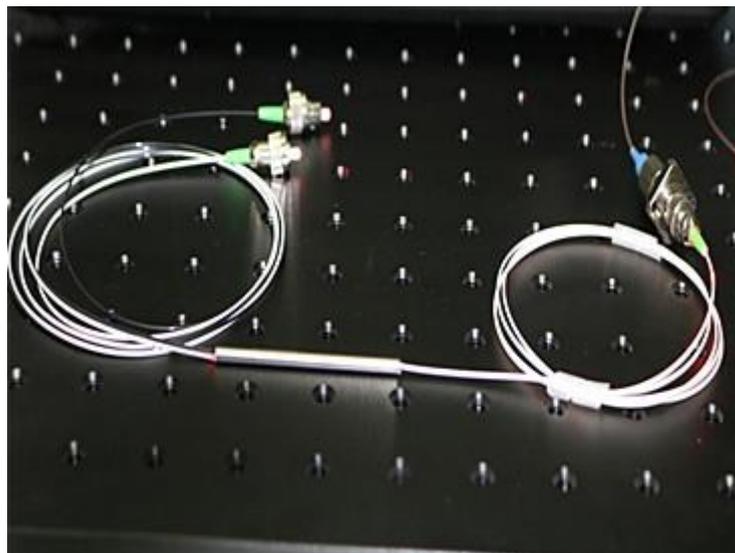


1550nm 62.5/125um multimode fiber coupler



- **Product Description**

This series large core fiber couplers are developed and produced based on our fiber fusion taper machine IPCS-5000-LMA. They are used for visible light band splitting. They have excellent performance. Unlike multimode fibers (50/125, 62.5/125) widely used in fiber optic communication systems, large core fibers are usually used to transmit larger laser powers and special working bands. At the same time, due to the large core diameter and high numerical aperture of the fiber, the uniformity and stability of large core



fiber splitting are affected by many factors (such as laser mode, laser injection method, etc.). With many years of accumulation of high-energy laser transmission experimental foundation and research on the reliability of military devices, we can provide fiber splitters with core diameters of 125um to 1500um, as well as large core fiber splitters working at all wavelengths. The products have extremely high resistance to high-power laser shock and high environmental reliability. Since its establishment, the company has continuously invested in research and development to optimize and improve the melting process of special large core fiber splitters and product packaging processes. We have made breakthroughs in product miniaturization, multi-core optical fiber one-time melting molding, laser mode sensitivity removal, etc. We have provided large-core optical fiber splitter products exclusively to many domestic and foreign customers.

● Product features

Fused fiber couplers for 1310/1550nm、 50:50, 75:25, 90:10 or 99:1 coupling ratios、 2.0 mm narrow key FC/PC or FC/APC connectors、 Each splitter comes with its own test report、 Operating power: 10W



- **Part Number**

MP-FBC-1550-C-1-50/50-M6A

- **Application area**

Visible light communication、 Power monitoring、 Optical splitting、 Test instrument

- **Core parameters**

Center Wavelength	Split Ratio	Operating Power
1310nm	50:50	10W

- **General Parameters**

Parameters

Type		Multi-Mode Coupler (MMC)	
Operating Wavelength	nm	850 or 1310	850/1310
Max 50/50	%	3.80/3.80	4.00/4.00
Insertion 40/60	%	2.80/4.80	3.00/5.00
Ess 30/70	%	2.10/6.00	2.30/6.10
Return Loss	dB	240.0	



Directivity	dB	240.0	
Operating Temperature	Deg.	-5-75	
Storage Temperature	Deg.	-40-85	
Fiber Length	m	1.00±0.10	
Fiber Type		50/125 or 62.5/125 Multi-Mode or others	
Light Source		LED	
Fiber Diameter	um	250/900	900/2000/3000
Package	mm	3.0x54	90x16x10

Note: 1. All test results do not include connectors

2. We can accept customization for better parameters or other requirements

Ordering information

MP-FBC-W□□□□-S○-CR▽-☆-△-XX

W□ □□□: Wavelength

1310:1310nm

1550-1550nm

1315:1310/1550nm

S○: Port Structure



12:1x2

22:2x2

13:1x3

33:3x3

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116:1X16

CR▽:

0199: 1:99

1090: 10:90

5050: 50:50

☆ :Pigtail Length

05:0.5m

1: 1m

10:10m

△: Loose Tube

B:Bare Fiber

9:900um Loose Tube

20:2mm Loose Tube

30: 2mm Loose Tube

XX: Fiber and Connector Type



MM5A=MM50/125+ SMA905

MM6A=MM62.5/125+ SMA905

MM5FA=MM50/1125+ FC/APC

MM6FA=MM62.5/125+ FC/APC

PN#	Describe
MP-FBC-1550-C-1-50/50-M6A	1550nm 62.5/125um multimode fiber coupler, 1x2, split ratio: 50:50, 1m long pigtail, 900um loose tube, 62.5/125um fiber, FC/APC connector, operating power: 10w