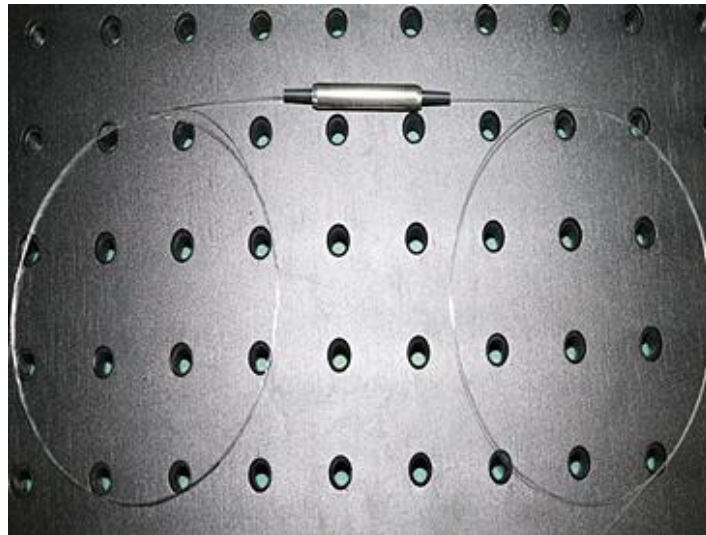


1053 nm Wideband Fiber Bandpass Filter



● Product Description

Idealphotonics' fiber filters use a special fiber structure to select or filter out specific wavelengths of light from different wavelengths. We can provide filter devices with different optical power versions according to user needs, which can be used in dense wavelength division multiplexing fiber communications, frequency division multiplexing fiber communications, spectrum testing, fiber sensors, fiber lasers and fiber amplifiers. If you need to customize the center wavelength, operating temperature or specific working bandwidth, please contact us for customization.

● Product features

Wide passband range、 Low insertion loss、 High channel isolation、 Stable operating

● Part Number

MP-BPF-1053-2-SN

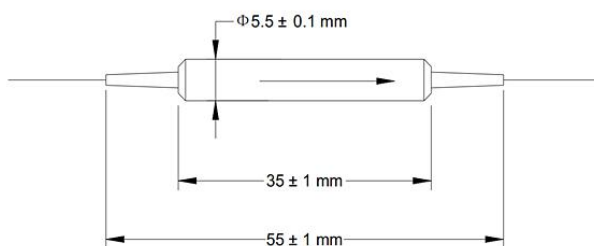
● Application area

Fiber amplifier、 WDM & DWDM system、 Fiber equipment、 Fiber laser

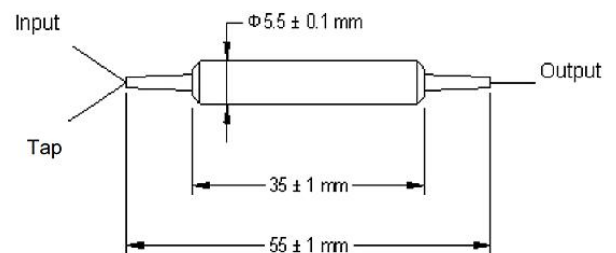
● Core parameters

Center Wavelength	Fiber Type	Connector Type
1053nm	SM	None

● Dimension Drawing



TypeA: Optical power for reflect band \leq 300 mW



TypeB: Optical power for reflect band $>$ 300 mW

● General Parameters

Parameters

Parameter	Unit	Value				
Central wavelength (λ_c)	nm	1030/1053/1064nm				
Minimum passband @ -0.5 dB	nm	2	5	8	14	22
Maximum stopband @ -25 dB	nm	12	18	20	48	50
Central wavelength	nm	1030				
Minimum passband @ -0.5 dB	nm	2	8	25		
Maximum stopband @ -25 dB	nm	12	22	50		
Maximum insertion loss	dB	1				
Minimum return loss	dB	50				
Maximum polarization-dependent loss	dB	0.1				
Thermal stability	dB/°C	≤0.005				
Maximum average optical power	W	3				
Maximum peak power for ns pulses	kW	5				
Maximum tensile load	N	5				
Fiber type		HI 1060 fiber or Specify				
Operating temperature	°C	-5 to +70				
Storage temperature	°C	-40 to +85				



Notes:

*. All indicators are without connectors. Please note that they are only valid at the above wavelengths, polarization states and temperatures.

** . Indicators are subject to change without prior notice.

Ordering information

MP-BPF-W□□□□ -B○-P▽ -☆-△ -XX

W□□□□: Wavelength

1064: 1064nm

1050: 1050nm

1030: 1030nm

1550: 1550nm

1580: 1580nm

B○: -0.5dB bandpass width

2: 2nm

5: 5nm

8: 8nm

14: 14nm

22: 22nm

P▽: Package

1: With Out Tap



2: With Tap

☆ : 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

SA=Hi1060+ FC/APC

SP=HI1060+ FC/PC

PA=PM 980Fiber+ FC/APC

PP=PM980 Fiber+ FC/PC

PN= PM Fiber+ none