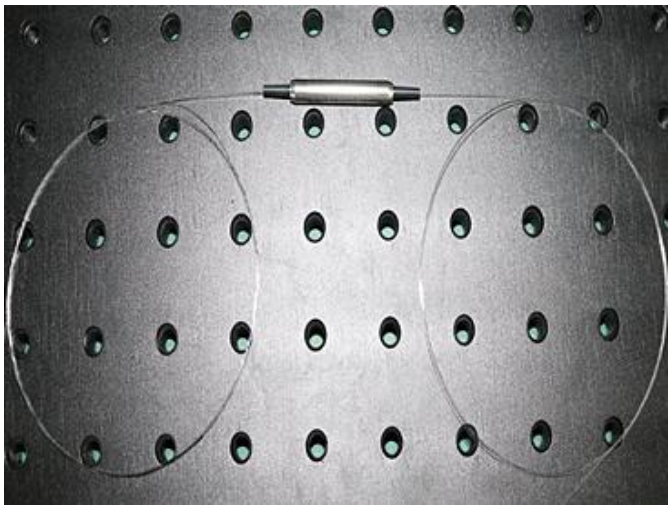
1030nm Wideband Bandpass Optical Fiber Filter (Passband 2nm @ -0.5dB, 1-meter Tail Fiber HI1060 Fiber)



Product Description

Idealphotonics' fiber optic filters use special fiber structures to select or filter out specific wavelengths of light from different light waves. We offer different power versions of filter devices based on customer needs. These can be used in areas such as dense wavelength division multiplexing (DWDM) fiber optic communications, frequency division multiplexing (FDM) fiber optic communications, spectral testing, fiber optic sensors, fiber lasers, and fiber amplifiers. For custom center wavelengths, operating temperatures, or specific working bandwidths, please contact us for customization..

Part Number

NIR-BPF-W1030-B02-P1-1-9-SA

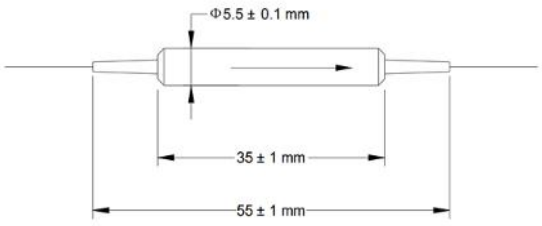
Product features

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

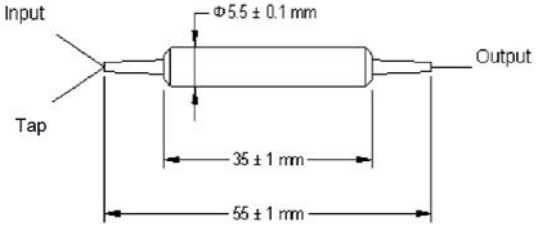
Application area

Optical Amplifiers、 WDM & DWDM Systems Fiber Optic Equipment、 Fiber Lasers

Dimensional Drawing



TypeA: Optical power for reflect band ⩽ 300 mW



TypeB: Optical power for reflect band > 300 mW

Parameters

Parameter	Unit	Value				
Center 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
Center Wavelength	nm	1030				
Minimum Through Bandwidth @ -0.5 dB	nm	2		8	25	
Maximum Stopband Width @ -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/℃	⩽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 detailed specifications.
Operating Temperature	℃	-5 to +70
Storage Temperature	℃	-40 to +85

Note:

*. All specifications are without connectors and are only valid at the wavelengths, polarization states, and temperatures mentioned above.

**. Specifications are subject to change without notice.

Ordering info
NIR-BPF- W□□□□-B○-P▽-☆-△-XX
W□□□□: Wavelength
1064: 1064nm
1050: 1050nm
*****
1030: 1030nm
1550: 1550nm
1580: 1580nm
B○: -0.5dB Bandwidth
2: 2nm
5: 5nm
8: 8nm
14: 14nm
22: 22nm

P▽: Package
1: Without 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: 3mm Loose Tube
XX: Fiber and Connector Type
SA=HI1060+ FC/APC
SP=HI1060+ FC/PC
PA=PM 980 Fiber+ FC/APC
PP=PM980 Fiber+ FC/PC
PN=PM Fiber+ none