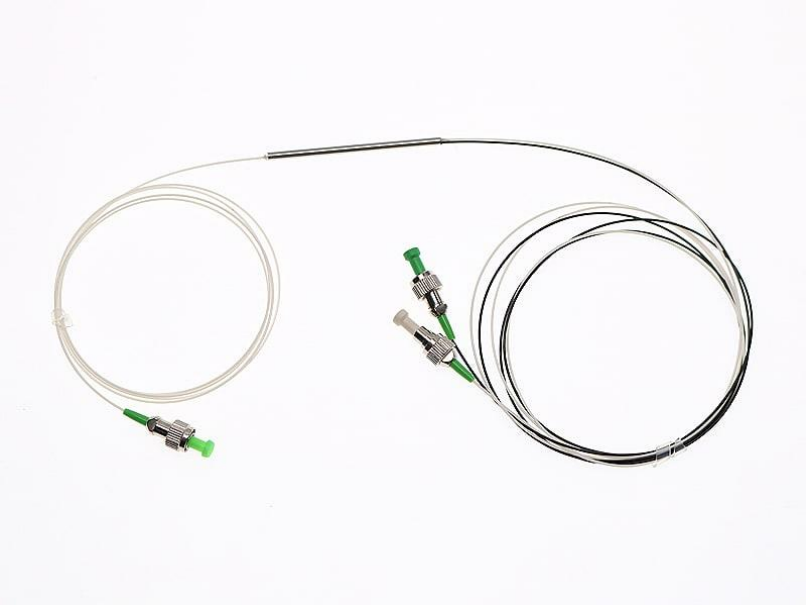
976nm Bandpass Filter



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 operating power、 Stable operating characteristics

Part Number

MP-BPF-976-2.5-HI

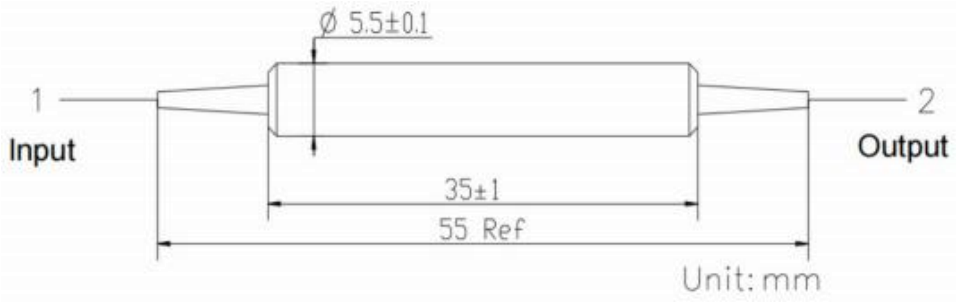
Application area

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

Core parameters

Central Wavelength	Min.Passband Bandwidth	Max.Optical Power
976nm	2.5nm	500mW

Dimension Drawing



General Parameters

Parameters

Parameter	Unit	Indication
Central wavelength	nm	976
Maximum insertion loss@ CWL+/-1.1nm	dB	1.2
Minimum passband bandwidth@0.5dB	nm	2.5
Maximum stopband bandwidth@25dB	nm	5.0
Maximum polarization dependent loss PDL	dB	0.1
Minimum return loss	dB	50
Fiber type		HI1060 Fiber
Maximum tensile load	N	5
Maximum optical power（CW)	mW	500
Operating temperature	℃	-5 to 70
Storage temperature	℃	-40 to +85

Notes:

The above specifications are all for devices without connectors;

For devices with connectors, IL will be 0.5 dB higher and RL will be 5 dB lower;

This material is RoHS compliant.

Model examples

BPF-①①①①-②②-③③-④④-⑤⑤-⑥

①①①①: Center Wavelength
976 - 976nm
SSSS - Specify

②②: Pass Band Width
2.5 - 2.5nm
SS - Specify

③③: Stop Band Width
05 - 5nm
SS - Specify

④④: Connector Type for Port 1 & 2
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

⑤⑤: Fiber Jacket for Port 1 & 2
B - 250um Bare Fiber
L - 900um Loose Tube
S - Specify

⑥: Fiber Length
1 - 1.0 m
S - Specify