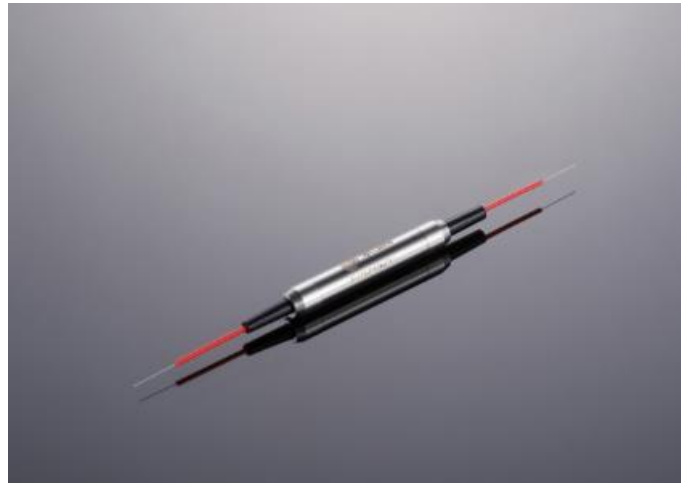


1550.92nm PM polarization-maintaining bandpass filter (passband bandwidth 0.3nm stopband bandwidth 1.4nm)



● **Product Description**

PM Band Pass Filter 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 more information.

● Product features

High isolation、 Low insertion loss (1.2dB)、 High return loss (50dB)、

Excellent environmental stability、 High power handling capability

● Part Number

MP-NTF-BP-1550.92-0.3-PM

● Application area

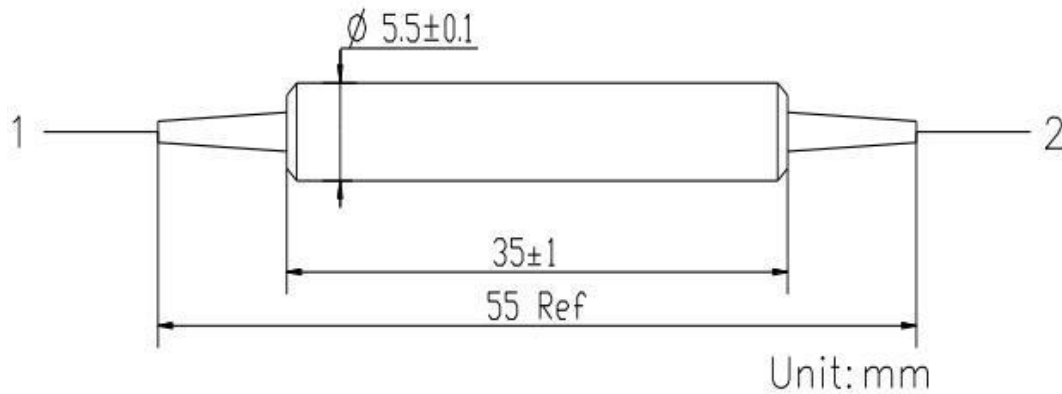
Band Erbium-Doped Fiber Amplifier、 High -density wavelength division

multiplexing system、 Fiber laser、 Research

● Core parameters

Center Wavelength	Pass Bandwidth	Fiber Type
1550.92nm	0.3nm	PM1550

● Dimension Drawing



● General Parameters

Parameter	Unit	Index
Nominal center wavelength	nm	ITU Grid
Max. Insertion loss over CWL+/-0.11nm	dB	1.2
Min. passband bandwidth @0.5dB	nm	0.3
Max. Stopband Bandwidth @25dB	nm	1.4
Extinction Ratio (ER) at 23°C	dB	20
Min. Return Loss	dB	50
Fiber Type	-	PM 1550 panda fiber
Max. tensile load	N	5
Max. optical power (CW)	mW	500
Operating temperature	°C	-5 to 70
Storage temperature	°C	-40 to +85



Remark :

*The above specifications apply to devices without connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

*PM fiber and connector keys are aligned with the slow axis.

*The material must be RoHS compliant.

Model Description

PMBPF-①①①①-②②-③③-④④-⑤-⑥⑥-⑦⑦-⑧-⑨⑨-⑩⑩

①①①①: Center Wavelength
1550.92 - 1550.92nm

②②: Pass Band Width
0.3 - 0.3nm

③③: Stop Band Width
1.4 - 1.4nm

④④: Handling Power
0.5 - 500mW

⑤: Axis Alignment
B - Both Axis Working

⑥⑥: Connector Type on Port 1, 2

1A - FC/UPC
2A - FC/APC (Step)
3D - SC/UPC
4D - SC/APC (Step)
S - Specify
N - None

⑦⑦: Fiber Jacket on Port 1, 2

B - Bare Fiber
C - 900um Loose Tube(Red)
D - 900um Loose Tube(Blue)
E - 900um Loose Tube(Black)
SS - Specify

⑧: Fiber Length

0.8 - 0.8 m
S - Specify

⑨⑨: Fiber Type

01A - PM1550 Fiber

⑩⑩ Package Type

01 - Ø5.5x35