



# Polarization Maintaining Bandpass Filter

## Features

- High Isolation
- Low Insertion Loss
- High Return Loss
- Excellent Environmental Stability
- High Power Handling Capability

## Applications

- EDFAs
- DWDM Systems
- Fiber Lasers
- Research

## Specifications

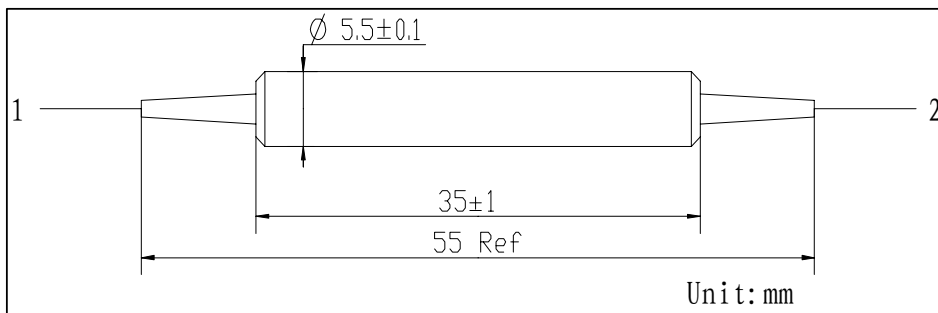
Parameters	Unit	Values
Nominal center Wavelength	nm	1546.5
Operating Pass Band	nm	1528 ~1565
Min. Attenuation at Wavelength <1521nm and >1574nm	dB	12
Typ. Insertion Loss at 1528 ~1565nm	dB	0.5
Max. Insertion Loss at 1528 ~1565nm	dB	0.7
Min. Return Loss	dB	50
Min. Extinction Ratio	dB	20
Typ. Extinction Ratio	dB	22
Thermal Stability	dB/°C	≤0.005
Max. Optical Power (CW)	mW	500
Max. Tensile Load	N	5
Fiber Type		PM Panda Fiber
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

\*Above specifications are for device without connector.

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

\*The PM fiber and the key are aligned to the slow axis.

## Package Dimensions



## Ordering Information

**PMBPF-①①①①-②②-③③-④④-⑤⑤-⑥**

①①①①: Wavelength  
1546.5 - 1528~1565nm  
SSSS - Specify

②②: Pass Band Width  
37 - 37nm  
SS - Specify

③③: Stop Band Width  
53 - 53nm  
SS - Specify

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

⑥: Fiber Length  
1 - 1.0m  
S - Specify

⑤⑤: Fiber Jacket on Port 1 & 2  
B - 250um Bare Fiber  
L - 900um Loose Tube  
C - 3mm Cable  
S - Specify