



Polarization Maintaining Band Pass Filter

I&Optics' polarization maintaining band pass filter can filter out the unwanted wavelength and transmit the signal with very low loss. It features low insertion loss, high extinction ratio, high wavelength isolation and flat band property. It can be used in lasers, telecom, sensors, Instruments, testing systems and R&D.

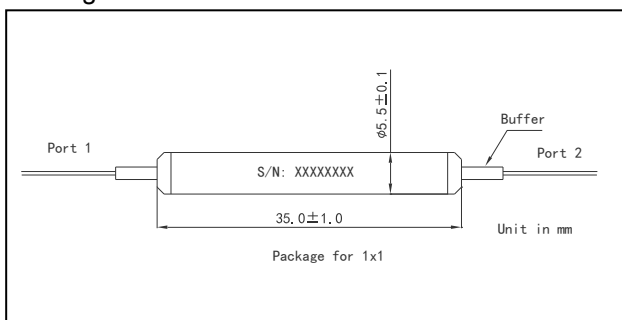
Specification

Parameter	Test Condition	Unit	Value	
Port Configuration	-	-	1x1	
Working Axis of PM Fiber	-	-	Both Axes Working	Fast Axis Blocked
Nominal Center Wavelength	Port 1 to Port 2	nm	1550.0 or Specify	
Pass Band Wavelength	Port 1 to Port 2	nm	+/-0.11, +/-0.25, +/-1.0 or Specify	
Reject Band Wavelength	Port 1 to Port 2	nm	1500~CWL-0.7 / 1.4 / 3.0 & CWL+0.7 / 1.4 / 3.0~1630	
Max. Pass Band IL	Port 1 to Port 2	dB	0.70, Typ. 0.55	0.80, Typ. 0.65
Min. Reject Band Isolation	Port 1 to Port 2	dB	25, Typ. 30	
Min. Extinction Ratio	at 23°C, at Slow or Fast Axis, Port 1 to Port 2	dB	21, Typ. 23	26, Typ. 28
Max. Thermal Stability	-	dB/°C	0.005	
Min. Return Loss	-	dB	50	
Max. Power Handling Rate	CW, Total Power, Proper SOP for Fast Axis Blocked	mW	500 or Specify	
Fiber Type	-	-	PM 1550 Panda Fiber or Specify	
Max. Fiber Tensile Load	-	N	5	
Operating Temperature	-	°C	-5 to 70	
Storage Temperature	-	°C	-40 to 85	

Above values are for device without connectors. For device with connectors, IL will be 0.3dB higher, ER will be 2dB lower, and return loss will 5dB lower.

The default alignment of working polarization and connector key is to slow axis of fiber. Special requirement please call.

Package Dimensions



Ordering Informations

PMBPF-①-②-③-④-⑤-⑥

① - Center Wavelength

1550 - 1550.0nm

SSSS - Specify

② - Pass / Reject Band Width

0.22 - Pass Band 0.22nm, Reject Band 1.4nm

0.50 - Pass Band 0.5nm, Reject Band 2.8nm

0206 - Pass Band 2nm, Reject Band 6nm

SSSS - Specify

③ - Working Axis of PM Fiber

F - Fast Axis Blocked

B - Both Axes Working

④ - Connector Type on port 1/2

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

⑤ - Fiber Jacket on Port 1/2

B - Bare Fiber

L - 900um Loose Tube

⑥ - Fiber Length

0.8 - 0.8m