Polarization Maintaining Band Pass Filter Isolator

Features:
Low Insertion Loss High Isolation High Stability and reliability
Application:
Communication systems

Specifications:

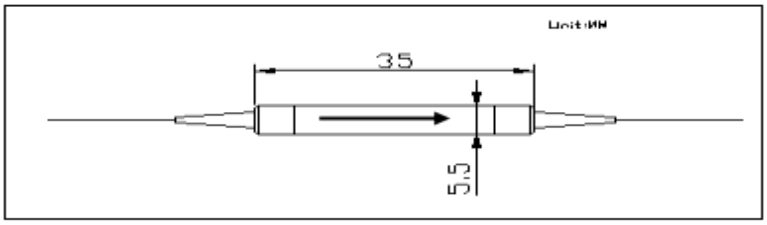
Parameters		Single Stage		Dual Stage	
Nominal Center Wavelength（nm）		1064			
Wavelength Range（nm）		1064±1	1064±2.5	1064±1	1064±2.5
Insertion Loss @23°C（dB）		≤2.8	≤2.6	≤3.7	≤3.5
Insertion Loss @-5 ~ +50°C（dB）		≤3.3	≤3.1	≤4.2	≤4.0
Min.Pass Bandwidth @0.5dB（nm）		2	5	2	5
Max.Stop Bandwidth @25dB（nm）		6	12	6	12
Isolation（dB）		≥30		≥45	
Extinction Ratio (dB)	Type B (Both of axis working)	≥20			
	Type F (Fast axis blocked)	≥23			
Optical Return Loss（dB）		≥50			
Optical Power(CW) （mW）		≤300			
Tensile Load（N）		5			
Fiber Type		PM 980 Panda Fiber			
Operating Temperature （℃）		-5 to +50			
Storage Temperature （℃）		-40 to +85			
Package Dimension (mm)		φ5.5×L35(P1)			

*Above specifications are for devices without the connectors.

*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 connector key are aligned to the slow axis.

Package Dimensions:



Ordering Information:

PMBPFI	Wavelength	Pass Band Width	Stop Band Width	Isolator Stage Type	Axis Alignment	Fiber Pigtail	Length	Connector
	06=1064nm	2=2 nm 5=5nm	1=6nm 2=12nm	S= Single Stage D= Dual Stage	F=Fast Axis Blocked B=Both Axis Working	1=250um bare fiber 2=900um loose tube 3=3mm loose tube 4=2mm loose tube S=Specify	H=0.5m 8=0.8m 1=1.0m 5=1.5m 2=2.0m 3=3.0m 4=4.0m A=2.5m B=5.0m S=Specify	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=MU 6=LC/UPC 7=LC/APC S=Specify