

Polarization Maintaining Band Pass Filter Isolator

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

Specifications

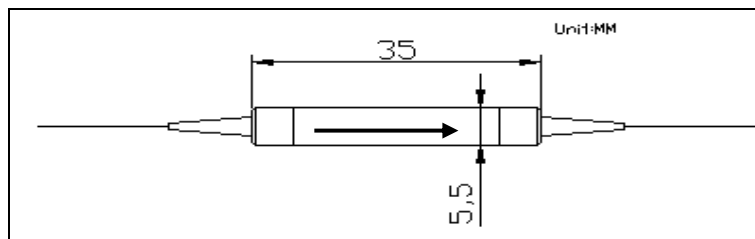
Parameters		Single Stage		Dual Stage	
Nominal Center Wavelength (nm)		1064			
Wavelength Range (nm)		1064±1	1064±2.5	1064±1	1064±2.5
Insertion Loss (dB)		≤2.4	≤2.3	≤3.6	≤3.5
Pass Bandwidth @0.5dB (nm)		2	5	2	5
Stop Bandwidth @25dB (nm)		10	22	10	22
Isolation (dB)		≥28		≥48	
Extinction Ratio (dB)	Type B (Both of axis working)	≥20			
	Type F (Fast axis blocked)	≥22			
Optical Return Loss (dB)		≥50			
Optical Power(CW) (mW)		≤300			
Tensile Load (N)		5			
Fiber Type		PM 980 Panda Fiber			
Operating Temperature (°C)		-5 to +50			
Storage Temperature (°C)		-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=10nm 2=22nm	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	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	0=None 1=FC/UPC 2=FC/APC 3=LC/UPC 4=LC/APC 5=SC/APC 6=SC/UPC