

1540nm PM Band Pass Filter

1540nm PM Band Pass Filter is a fiber passive component which is based on thin-film filter technology, it can block the unwanted wavelength signal and pass the specific wavelength band. It's widely used in fiber amplifier and fiber laser field, the high power type is also available upon request.

Application:

Fiber Laser
Testing System
Fiber Optic Sensor
Lab And Research

Features:

Low Insertion Loss
High Extinction Ratio
High Power
High Reliability



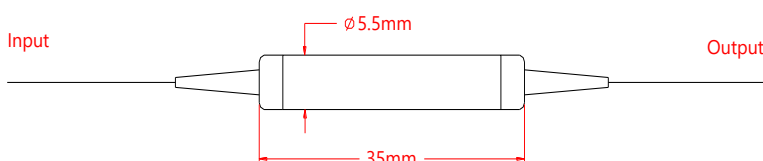
Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	λ	1540		nm
Min. Pass Bandwidth @0.5dB	BW	2	5	nm
Max. Stop Bandwidth @25dB	BW	5	10	nm
Max. Insertion Loss	IL	0.8		dB
Min. Isolation	Iso	25		dB
Min. Extinction Ratio	ER	20		dB
Min. Return Loss	RL	50		dB
Max. Optical Power (CW)	P	500		mW
Max. Tensile Load		5		N
Fiber Type		PM 1550 Panda fiber		-
Operating Temperature	T	-5~70		°C
Storage Temperature	T	-40~85		°C
Package Dimension		Φ5.5xL35		mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower, RL will be 5dB lower, slow axis is default aligned to the connector key.

Drawing:



Ordering Information (Part Number):

PMBPF- WWW - PPSS - A - J - LL - CC					
WWW	PPSS	A	J	LL	CC
Wavelength	Pass Band & Stop Band	Working Axis	Fiber Jacket	Fiber Length	Connector
1540 - 1540nm SSSS - Specify	0205 - 2nm Pass, 5nm Stop 0510 - 5nm Pass, 10nm Stop SSSS - Specify	F - Fast Axis Blocked Slow Axis Working B - Both Axes Working	B - 250um Bare Fiber 9 - 900um Loose Tube 2 - 2.0mm Loose Tube 3 - 3.0mm Loose Tube	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify