

1750nm PM Band Pass Filter

1750nm 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



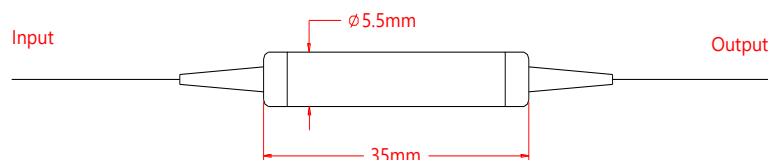
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1750	nm
Min. Pass Bandwidth @0.5dB	BW	15	nm
Max. Stop Bandwidth @25dB	BW	60	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 or PM 1950 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):

WWWW	PPSS	A	FF	J	LL	CC
Wavelength	Pass Band & Stop Band	Working Axis	Fiber Type	Fiber Jacket	Fiber Length	Connector
1750 - 1750nm SSSS - Specify	1560 - 15nm Pass, 60nm Stop SSSS - Specify	F - Fast Axis Blocked Slow Axis Working B - Both Axes Working	P1 - PM 1950 P5 - PM1550	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