

1750nm Band Pass Filter

1750nm Band Pass Filter is a fiber passive component which is based on thin-film filter technology, it can be used to pass specific wavelength range and block the unwanted wavelength range, It's widely used in fiber laser and fiber testing system, 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 Isolation
High Power
High Reliability



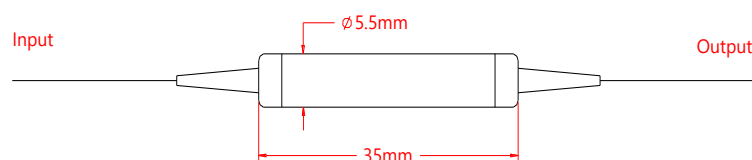
Specification:

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
Max. Polarization Dependent Loss	PDL	0.15	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		SMF-28e or SM 1950 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, RL will be 5dB lower.

Drawing:



Ordering Information (Part Number):

BPF- WWWW - PPSS - FF - J - LL - CC					
WWWW	PPSS	FF	J	LL	CC
Wavelength	Pass Band & Stop Band	Fiber Type	Fiber Jacket	Fiber Length	Connector
1750 - 1750nm	1560 - 15nm Pass, 60nm Stop	S1 - SM 1950	B - 250um Bare Fiber	05 - 0.5m	NE - None
SSSS - Specify	SSSS - Specify	S2 - SMF-28e	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
			2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
			3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
				SS - Specify	SU - SU/APC
					LA - LC/APC
					LU - LC/UPC
					SS - Specify