

1540nm Band Pass Filter

1540nm 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 Isolaton
High Power
High Reliability



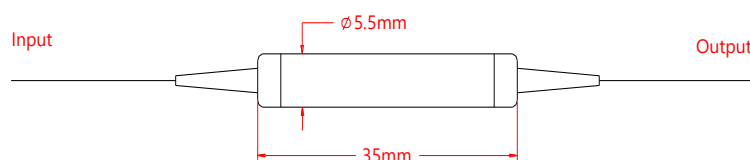
Specification:

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
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 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 - J - LL - CC				
WWWW	PPSS	J	LL	CC
Wavelength	Pass Band & Stop Band	Fiber Jacket	Fiber Length	Connector
1540 - 1540nm	0205 - 2nm Pass, 5nm Stop	B - 250um Bare Fiber	05 - 0.5m	NE - None
SSSS - Specify	0510 - 5nm Pass, 10nm Stop	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
	SSSS - Specify	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