

1053nm Band Pass Filter

1053nm 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



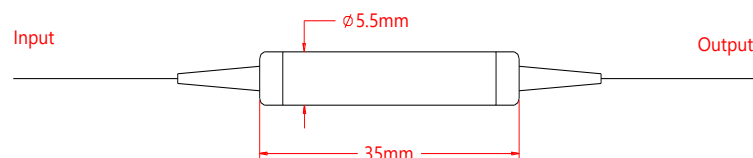
Specification:

Parameter	Symbol	Value					Unit
Center Wavelength	λ	1053					nm
Min. Pass Bandwidth @0.5dB	BW	2	4	5	6	20	nm
Max. Stop Bandwidth @25dB	BW	5	6	13	13	40	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		HI 1060 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
1053 - 1053nm	0205 - 2nm Pass, 5nm Stop	B - 250um Bare Fiber	05 - 0.5m	NE - None
SSSS - Specify	0406 - 4nm Pass, 6nm Stop	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
	0513 - 5nm Pass, 13nm Stop	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
	0613 - 6nm Pass, 13nm Stop	3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
	1020 - 10nm Pass, 20nm Stop		SS - Specify	SU - SU/APC
	2040 - 20nm Pass, 40nm Stop			LA - LC/APC
	SSSS - Specify			LU - LC/UPC
				SS - Specify