

1053nm Band Pass Filter

1053nm 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 Amplifier
Fiber Laser
Fiber Optic Sensor
Lab And Research

Features:

Low Insertion Loss
High Isolaton
High Power
High Reliability



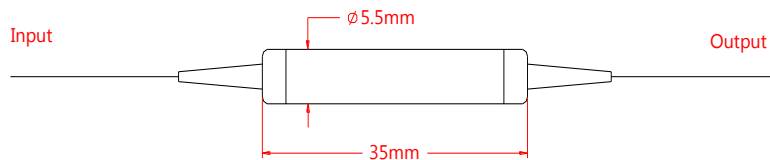
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1053	nm
Min. Pass Bandwidth @0.5dB	BW	5	nm
Max. Stop Bandwidth @25dB	BW	12	nm
Max. Insertion Loss	IL	0.8	dB
Min. Isolation	Iso	25	dB
Max. Polarization Dependent Loss	PDL	0.1	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	300	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- WWW - PP - SS - J - LL - CC					
WWW	PP	SS	J	LL	CC
Wavelength	Pass Band	Stop Band	Fiber Jacket	Fiber Length	Connector
1053 - 1053nm	02 - 2nm 05 - 5nm 06 - 6nm 08 - 8nm 09 - 9nm 25 - 25nm SS - Specify	06 - 6nm 10 - 10nm 12 - 12nm 20 - 20nm 22 - 22nm 30 - 30nm 38 - 38nm SS - Specify	B - 250um Bare Fiber 9 - 900um Loose Tube 2 - 2.0mm 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