

1045nm Band Pass Filter

1045nm 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



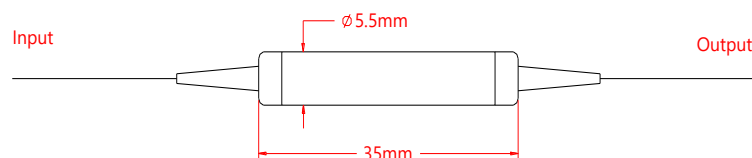
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1045	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	0.15	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
1045 - 1045nm	0512 - 5nm Pass, 12nm Stop	B - 250um Bare Fiber	05 - 0.5m	NE - None
SSSS - Specify	SSSS - Specify	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