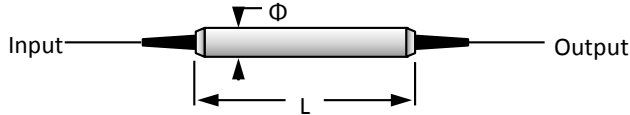


## Band Pass Filter 1053nm

The 1053nm Band-pass Filter is based on thin-film filter technology that passes wavelengths within a certain range and rejects (attenuates) wavelengths outside that range. The band-pass filter features high isolation, low insertion loss, high power handling available upon request.



### Features

- High Isolation
- Low Insertion Loss
- High Power Available on Request

### Applications

- Fiber Laser
- Fiber Sensor
- FBG Applications

### Performance Specification

Parameter	Value	Unit
Center Wavelength ( $\lambda_c$ )	1053 or customized	nm
Tolerance	$\pm 0.5$	nm
Min. Pass Bandwidth @ 0.5dB	5	nm
Max. Stop Bandwidth @ 25dB	12	nm
Max. Insertion Loss	0.7	dB
Max. PDL	0.1	dB
Min. Return Loss	50	dB
Max. Thermal Stability	0.005	dB/ $^{\circ}$ C
Max. Thermal Wavelength Drift	0.002	nm/ $^{\circ}$ C
Max. Optical Power (CW)	300 (high power up to 20W available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	Corning HI 1060 Fiber or Customized	
Operating Temperature	-5 to +65	$^{\circ}$ C
Storage Temperature	-40 to +85	$^{\circ}$ C
Package Dimension	$\Phi 5.5 \times L35$	mm

### Note

\* For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

### Ordering Information

#### BPF-AAAA-BB-CC-D-EE-FF

AAAA	BB	CC	D	EE	FF
Wavelength	Pass Band	Stop Band	Fiber Jacket	Fiber Length	Connector
1053 - 1053nm	05 - 5nm	12 - 12nm	B - 250um Bare Fiber	05 - 0.5m	NE - None
SSSS - Specify	SS - Specify	SS - Specify	L - 900um Loose Tube	08 - 0.8m	FA - FC/APC
				10 - 1.0m	FP - FC/PC
				15 - 1.5m	SA - SC/APC
				SS - Specify	SP - SC/PC
					LA - LC/APC
					LP - LC/PC
					SS - Specify