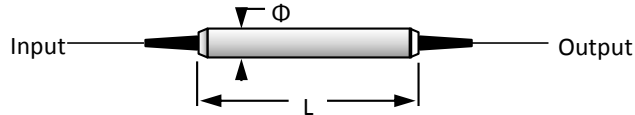


Band Pass Filter 1080nm

The 1080 nm 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. 1080 nm PM (polarization maintaining) BPF available on 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 (λ_c)	1080	nm
Min. Pass Bandwidth @ 0.5dB	5	nm
Min. Isolation @ 1030~1070nm & 1090~1150nm	25	dB
Max. Insertion Loss	1.0	dB
Max. PDL	0.1	dB
Min. Return Loss	50	dB
Max. Optical Power (CW)	300 (high power up to 10W available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	Corning HI 1060 Fiber or customized	
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°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
1080 - 1560nm	05 - 5nm	20 - 20nm	B - 250um Bare Fiber	05 - 0.5m	NE - None
SSSS - 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