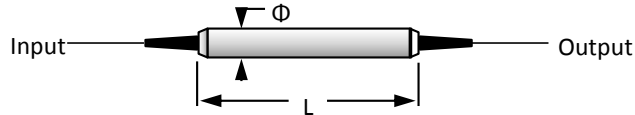


Band Pass Filter 1550nm

The 1550nm 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 (λ_c)	1550 or customized	nm
Min. Pass Bandwidth @ 0.5dB	5	nm
Max. Stop Bandwidth @ 25dB	12	nm
Max. Insertion Loss over 1550±2.5nm	1.0	dB
Max. PDL	0.15	dB
Min. Return Loss	50	dB
Max. Optical Power (CW)	300 or Customized	mW
Max. Tensile Load	5	N
Fiber Type	Corning SMF-28e Fiber	
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C
Package Dimension	Φ5.5×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
1550 - 1550nm	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