

1550nm Band Pass Filter

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.

Feature

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

Application

- Fiber Laser
- Fiber Sensor
- FBG Applications

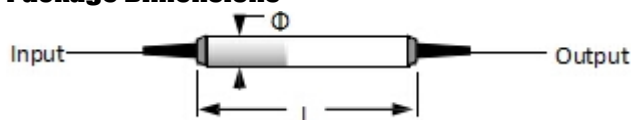
Specification

Parameter	Value	Unit
Center Wavelength (λ_c)	1550 or customized	nm
Min. Pass Bandwidth @ 0.5dB	13	nm
Max. Stop Bandwidth @ 30dB	27	nm
Max. Insertion Loss over 1550 \pm 6.5nm	0.7	dB
Max. PDL	0.1	dB
Min. Return Loss	50	dB
Max. Optical Power (CW)	300 or Customized	mW
Max. Tensile Load	5	N
Fiber Type	SMF-28e Fiber	
Operating Temperature	-5 to +70	$^{\circ}$ C
Storage Temperature	-40 to +85	$^{\circ}$ C
Package Dimension	Φ 5.5 \times L35	mm

Note

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

Package Dimensions



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 SSSS - Specify	13 - 13nm SS - Specify	27 - 27nm SS - Specify	B - 250um Bare Fiber L - 900um Loose Tube	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m SS - Specify	NE - None FA - FC/APC FP - FC/PC SA -SC/APC SP - SC/PC LA- LC/APC LP - LC/PC SS - Specify