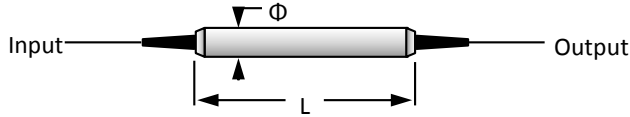


Band Pass Filter 154Xnm

The 1544 1545 1546 1547 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.



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)	1544, 1545, 1546, 1547 or customized	nm
Min. Pass Bandwidth @ 0.5dB	2.0	nm
Max. Pass Bandwidth @ 3.0dB	4.5	nm
Max. Stop Bandwidth @ 30dB	8	nm
Max. Insertion Loss over $\lambda_c \pm 1\text{nm}$	0.8	dB
Max. PDL	0.1	dB
Min. Return Loss	50	dB
Max. Thermal Stability	0.005	dB/°C
Max. Optical Power (CW)	300 or Customized	mW
Max. Tensile Load	5	N
Fiber Type	SMF-28e 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.
- * For pulse applications, pls discuss with OF-LINK.

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
1544 - 1544nm	02 - 2nm	08 - 8nm	B - 250um Bare Fiber	05 - 0.5m	NE - None
1545 - 1545nm	SS - Specify	SS - Specify		08 - 0.8m	FA - FC/APC
1546 - 1546nm			L - 900um Loose Tube	10 - 1.0m	FP - FC/PC
1547 - 1547nm				15 - 1.5m	SA - SC/APC
SSSS - Specify				SS - Specify	SP - SC/PC
					LA - LC/APC
					LP - LC/PC
					SS - Specify