



## Bandpass Filter (BF Series )

The Bandpass Filter is a micro optics device based on environmentally stable Thin Film Filters technology. It is used to block out unwanted noise signals in EDFAs and DWDM systems. The components are characterized with high isolation, low insertion loss, high return loss, excellent environmental stability and high power handling capability.



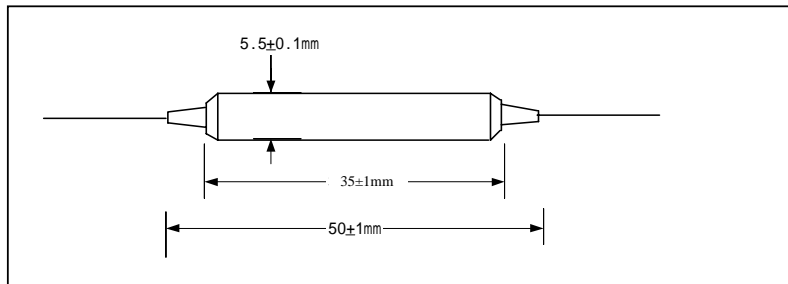
### Specifications

Parameters	Unit	Values
Wavelength Range	nm	1528 - 1565
Max. Insertion Loss	dB	0.8
Typ. Insertion Loss	dB	0.6
Min. Insertion Loss @ wavelength <1521nm and >1574nm	dB	12
Min. Optical Return Loss	dB	50
Max. PDL	dB	0.1
Typ. PDL	dB	0.05
Thermal Stability	dB/	0.005
Thermal Wavelength Drift	nm/	0.005
Max. Optical Power	mW	300
Max. Tensile Load	N	5
Fiber Type		Corning SMF-28
Operating Temperature		-5 to +70
Storage Temperature		-40 to +85

\*Above specification are for device without connector.

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

### Package Dimensions



### Ordering Information

#### BF-

: Center Wavelength  
2865 - 1528-1565 nm  
SSSS - Specify

: Fiber type  
B - 250 um bare fiber  
L - 900 um loose tube

: Connector Type  
1 - FC/UPC  
2 - ST/UPC  
3 - LC/UPC  
4 - FC/APC  
5 - SC/APC  
6 - SC/UPC  
S - Specify  
N - None

: Fiber length  
1 - 1.0 m  
S - Specify