



Bandpass Filter (BP Series)

Rev 11C

Description

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

Key Features

- High Isolation
- Low Insertion Loss

Applications

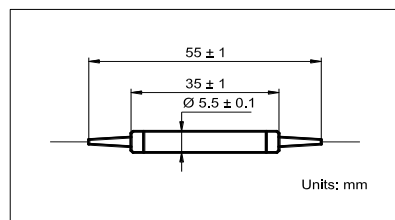
- EDFA
- Fiber Lasers

Specifications

Parameter	Unit	Value	
Center Wavelength	nm	1064	
CWL Tolerance	nm	± 1	± 0.5
Filter Pass Band @ - 0.5 dB	nm	2	8
Max. Insertion Loss over Pass Band	dB	0.8	0.8
Wavelength Suppression @ (1020 - 1058 & 1070 - 1100 nm) for 2 nm	dB	25	N/A
Wavelength Suppression @ (1000 - 1054 & 1074 - 1100 nm) for 8 nm	dB	N/A	25
Min. Return Loss	dB	50	
Max. Polarization Dependent Loss	dB	0.1	
Thermal Stability	dB/°C	≤ 0.005	
Max. Optical Power (Continuous Wave)	mW	300	
Max. Tensile Load	N	5	
Fiber Type	-	HI 1060	
Operating Temperature	°C	- 5 to + 70	
Storage Temperature	°C	- 40 to + 85	

¹IL is 0.5 dB higher, RL is 5 dB lower for each connector added.

Package Dimensions



Ordering Information

BP-①①①①-②-③-④-⑤

①①①①: Wavelength

1064 - 1064 nm

SSSS - Specify

②: Pass Bandwidth

2 - 2 nm

8 - 8 nm

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Jacket

B - 250 µm Bare Fiber

L - 900 µm Loose Tube

S - Specify

⑤: Fiber Length

1 - 1.0 m

S - Specify