

Bandpass Filter (BP Series)

Rev 11

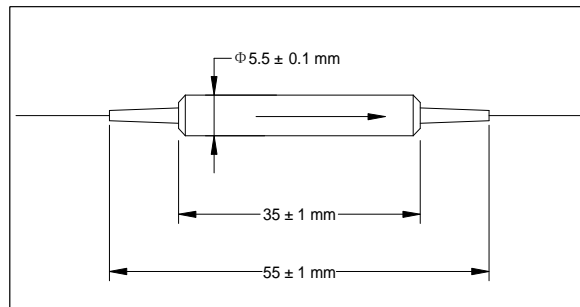
The Bandpass Filter is a micro optics device based on environmentally stable thin film filter technology. It is used to block out unwanted noise signals in EDFAs and fiber laser systems. The components are characterized with high isolation, low insertion loss, high return loss, excellent environmental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

Specifications

| Parameter | Unit | Value |
|---|-------|--------------|
| Wavelength Range | nm | 1528 - 1565 |
| Max. Insertion Loss | dB | 0.7 |
| Typ. Insertion Loss | dB | 0.5 |
| Min. Isolation @ wavelength < 1521 nm and > 1574 nm | dB | 12 |
| Min. Return Loss | dB | 50 |
| Max. Polarization Dependent Loss | dB | 0.10 |
| Typ. Polarization Dependent Loss | dB | 0.05 |
| Thermal Stability | dB/°C | ≤ 0.005 |
| Thermal Wavelength Drift | nm/°C | ≤ 0.003 |
| Max. Optical Power (Continuous Wave) | mW | 300 |
| Max. Tensile Load | N | 5 |
| Fiber Type | | SMF-28 fiber |
| Operating Temperature | °C | -5 to +70 |
| Storage Temperature | °C | -40 to +85 |

*IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

Package Dimensions



Ordering Information

BP-①①①①-②-③-④

①①①①: Wavelength

2865 - 1528 - 1565 nm

SSSS - Specify

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③: Fiber Type

B - 250 μm bare fiber

L - 900 μm loose tube

S - Specify

④: Fiber Length

1 - 1.0 m

S - Specify