

Bandpass Filter (GK-BP Series)

● 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. The components are characterized with high isolation, low insertion loss, high extinction ratio, excellent environmental stability and high power handling capability.

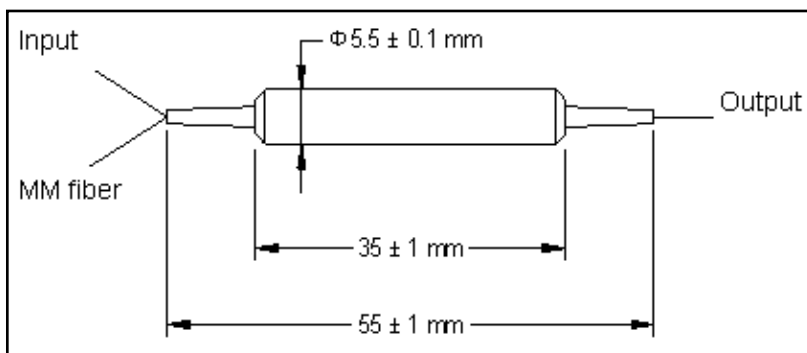
● Specifications

| Parameter | Unit | Value |
|---|------|---------------|
| Center Wavelength | nm | 1080 |
| Min.Filter Pass Band @ - 0.5 dB | nm | 5 |
| Max. Insertion Loss over pass band | dB | 1.0 |
| Wavelength suppression (1030 - 1070 & 1090 - 1150 nm) | dB | 25 |
| Max. Polarization Dependent Loss | dB | 0.1 |
| Min. Return Loss (For SM Fiber) | dB | 50 |
| Max. Optical Power (Continuous Wave) | W | 5 |
| Max. Tensile Load | N | 5 |
| Fiber Type | - | HI 1060 Fiber |
| 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. Optical power will be 1 W only with connector added.

²MMF Port is to take out useless light.

● Package Dimensions



● **Ordering Information**

GK-BP-①-②-③-④-⑤,5 W

①: **Wavelength**

1080 - 1080 nm

SS - Specify

②: **Connector Type**

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③: **Fiber Jacket**

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

④: **Fiber Length**

1 -1.0 m

S - Specify

⑤: **Pass Bandwidth**

5 - 5 nm