



Multimode Fiber Bandpass Filter (MMBP Series)

Rev 11B

Description

The Multimode Fiber Bandpass Filter is a micro optic device based on environmentally stable thin film filter technology. It is used to block out unwanted noise signals in multimode fiber communication 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
- High Power Handling
- Low Insertion Loss

Applications

- EDFA
- Denser Channel Plans

Specifications

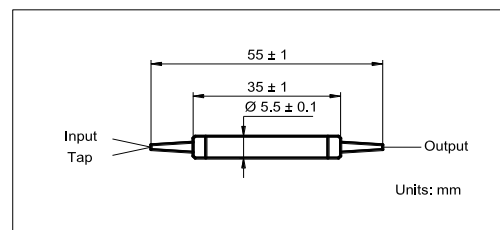
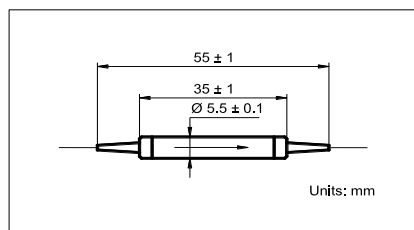
Parameter	Unit	Value
Pass Wavelength Range	nm	900 - 1000 or specify
Max. Insertion Loss	dB	0.7
Blocked Wavelength Range	nm	1020 - 1120, 1500 - 1600 or specify
Min. Isolation	dB	25
Min. Return Loss	dB	30
Max. Polarization Dependent Loss	dB	0.1
Thermal Stability	dB/°C	0.003
Max. Input Power	W	10
Max. Tensile Load	N	5
Fiber Type	-	Multimode Fiber 105/125, 62.5/125, 50/125 μm or specify
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.

²Above specifications are measured at CPR higher than 20 dB.

³If the optical power outside the passband exceeds 1 W, a third port should be added to guide it.

Package Dimensions



Ordering Information

MMBP-①①①①-②-③-④-⑤-⑥

①①①①: Wavelength

9806 - 980 Pass/1060 Block

9855 - 980 Pass/1550 Block

SSSS - Specify

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③: Fiber Core

1 - 105 μm

2 - 62.5 μm

3 - 50 μm

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

⑥: Port
2 - 2 Ports
3 - 3 Ports