



Polarization Maintaining Bandpass Filter

Features

- High Isolation
- Low Insertion Loss
- High Return Loss
- Excellent Environmental Stability
- High Power Handling Capability

Applications

- EDFAs
- DWDM Systems
- Fiber Lasers
- Research

Specifications

| Parameters | Unit | Values |
|--|-------|----------------|
| Nominal center Wavelength | nm | 1548.5 |
| Operating Pass Band | nm | 1528 ~1565 |
| Min. Attenuation at Wavelength 1480~1521nm and 1574~1620 | dB | 12 |
| Typ. Insertion Loss at 1528 ~1565nm | dB | 0.6 |
| Max. Insertion Loss at 1528 ~1565nm | dB | 0.8 |
| Min. Return Loss | dB | 50 |
| Min. Extinction Ratio (only for F-Type)@23°C | dB | 22 |
| Min. Extinction Ratio (only for B-Type)@23°C | dB | 20 |
| Thermal Stability | dB/°C | ≤0.005 |
| Max. Optical Power (CW, Proper SOP) | mW | 500 |
| Max. Tensile Load | N | 5 |
| Fiber Type | -- | PM Panda Fiber |
| Operating Temperature | °C | -5 to +70 |
| Storage Temperature | °C | -40 to +85 |

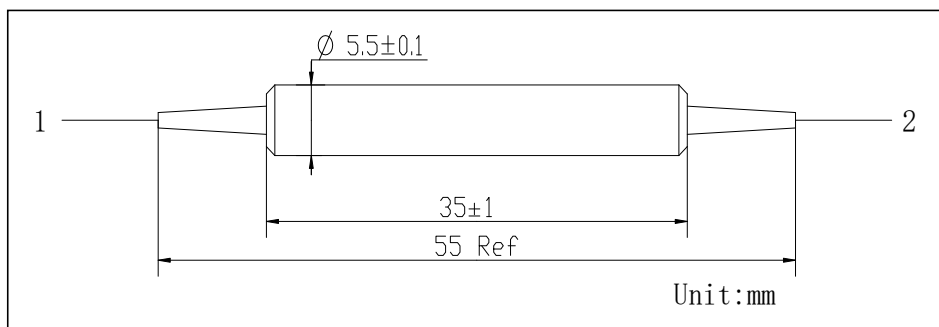
*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.

*The PM fiber and the key are aligned to the slow axis.

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

PMBPF-①①①①-②②-③③-④-⑤-⑥⑥-⑦⑦-⑧-⑨⑨-⑩⑩

①①①①: nter Wavelength
1548.5 - 1548.5nm
SSSS - Specify

②②: Pass Band Width
37 - 37nm
SS - Specify

③③: Stop Band Width
53 - 53nm
SS - Specify

④④: Handing Power
0.5 - 500mW
SS - Specify

⑤: Axis Alignment
F - Fast Axis Blocked
B - Both Axis Working

⑥⑥: Connector Type on Port 1, 2
1A - FC/UPC
2A - FC/APC (Step)
3D - SC/UPC
4D - SC/APC (Step)
N - None
SS - Specify

⑦⑦: Fiber Jacket on Port 1, 2
B - Bare Fiber
C - 900um Loose Tube(Red)
D - 900um Loose Tube(Blue)
E - 900um Loose Tube(Black)
SS - Specify

⑧: Fiber Length
0.8 - 0.8 m
S - Specify

⑨⑨: Fiber Type
01A -PM1550 Fiber

⑩⑩ Package Type
01 - Ø5.5x35