

Polarization Maintaining Bandpass Filter (PMBP Series)

Rev 11

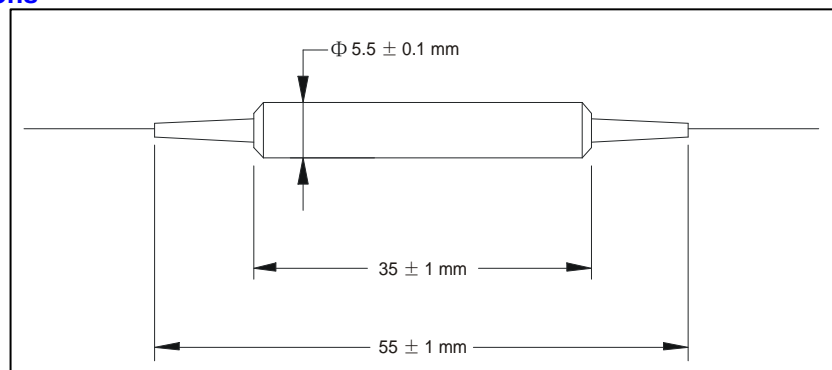
The PM Bandpass Filter is a micro optics device based on environmentally stable thin-film filter technology. It is used to block out unwanted noise signals in EDFAs and fiber laser systems. The components are characterized with high isolation, low insertion loss, high extinction ratio, excellent environmental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

Specifications

| Parameter | Unit | Value | |
|--|-------|--------------------|-------|
| Center Wavelength | nm | 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. Extinction Ratio | dB | 20 | |
| Min. Return Loss | dB | 50 | |
| Thermal Stability | dB/°C | ≤ 0.005 | |
| Max. Optical Power (Continuous Wave) | mW | 300 | |
| Max. Tensile Load | N | 5 | |
| Fiber Type | | PM 980 Panda fiber | |
| Operating Temperature | °C | -5 to +70 | |
| Storage Temperature | °C | -40 to +85 | |

*IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMBP-①①①①-②-③-④-⑤

| ①①①①: Wavelength | ②: Pass Bandwidth | ③: Connector Type | ④: Fiber Jacket | ⑤: Fiber Length |
|------------------|-------------------|-------------------|------------------------|-----------------|
| 1064 - 1064 nm | 2 - 2 nm | 1 - FC/UPC | B - 250 μm Panda fiber | Q - 0.75 m |
| SSSS - Specify | 8 - 8 nm | 2 - FC/APC | L - 900 μm loose tube | S - Specify |
| | | 3 - SC/UPC | S - Specify | |
| | | 4 - SC/APC | | |
| | | N - None | | |
| | | S - Specify | | |