

Polarization Maintaining Bandpass Filter CWDM (PMBPCWDM Series)

Rev 11

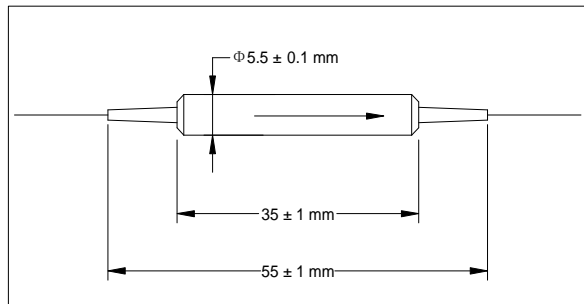
The PMBP Filter is a micro optics device based on environmentally stable thin film filter technology. It is used to block out unwanted noise signals in EDFAs and fiber laser systems. The components are characterized with high isolation, low insertion loss, high extinction ratio, excellent environmental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

Specifications

| Parameter | Unit | Value |
|---|-------|---|
| Center Wavelength | nm | 1470 1490 1510 1530 1550 1570 1590 1610 |
| Passband | nm | CWL +/- 6.5 |
| Max. Insertion Loss | dB | 0.6 |
| Typ. Insertion Loss | dB | 0.4 |
| Min. Isolation @ wavelength 1450 ~ CWL-14 & CWL+14 ~ 1630 | dB | 30 |
| Min. Return Loss | dB | 50 |
| Min. Extinction Ratio | dB | 20 |
| 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 | | PM Panda fiber |
| Operating Temperature | °C | -5 to +70 |
| Storage Temperature | °C | -40 to +85 |

*IL is 0.3 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

PMBPCWDM-①①-②-③-④

| ①①: Center Wavelength | ②: Connector Type | ③: Fiber Type | ④: Fiber Length |
|-----------------------|-------------------|------------------------|-----------------|
| 47 - 1470nm | 1 - FC/UPC | B - 250 μm Panda fiber | Q - 0.75 m |
| 49 - 1490nm | 2 - FC/APC | L - 900 μm loose tube | S - Specify |
| 51 - 1510nm | 3 - SC/UPC | S - Specify | |
| 53 - 1530nm | 4 - SC/APC | | |
| 55 - 1550nm | N - None | | |
| 57 - 1570nm | S - Specify | | |
| 59 - 1590nm | | | |
| 61 - 1610nm | | | |
| SS - Specify | | | |