



Polarization Maintaining Bandpass Filter CWDM (GK-PMBPCWDM Series)

● Description

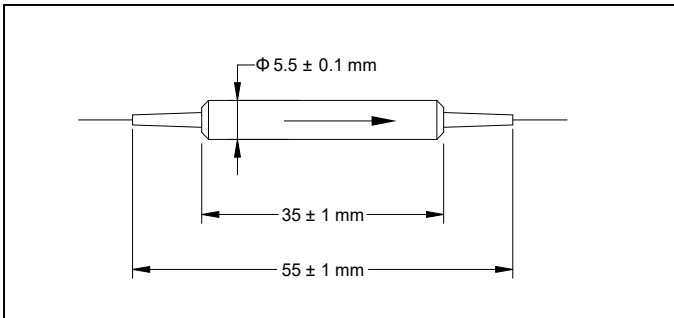
The Polarization Maintaining Bandpass Filter is a micro optics device based on environmentally stable thin film filter technology. It is used to block out unwanted noise signals in EDFAs and fiber laser systems. The components are characterized with high isolation, low insertion loss, high extinction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

● Specifications

| Parameter | Unit | Value |
|--------------------------------------------------------------|-------|------------------------------------------------|
| Center Wavelength | nm | 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 |

¹IL 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

GK-PMBPCWDM-①-②-③-④

①: Center Wavelength

47 - 1470 nm
49 - 1490 nm
51 - 1510 nm
53 - 1530 nm
55 - 1550 nm
57 - 1570 nm
59 - 1590 nm
61 - 1610 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 μm Bare Fiber
L - 900 μm Loose Tube
S - Specify

④: Fiber Length

Q - 0.75 m
S - Specify