

Introduction



Rayzer's **Polarization Maintaining Band Pass Filter (PMBPF)** series product, selects the thin film filter with good performance to ensure the high quality optical performance, stability and reliability. It is used to shield noise signal in EDFA and fiber laser system. It has the characteristics of high isolation, low insertion loss, high return loss and high power.



Specification

| Parameters | Unit | Values | |
|--------------------------------|------|------------|-----------|
| Center Wavelength | nm | 1064 | 1550 |
| Pass Band Width@0.5dB | nm | 2/5/10/15 | 2/5/10/15 |
| Blocked Band Width@25dB | nm | 5/8/10/25 | 5/8/10/25 |
| Max. Insertion Loss @Pass band | dB | 0.8 | 1.0 |
| @25℃ Typ. Extinction Ratio | dB | 22 | 28 |
| @25℃ Min. Extinction Ratio | dB | 20 | 25 |
| Min. Return Loss | dB | 50 | 50 |
| Handling Power | mW | 300 | 500 |
| Max. Tensile Load | N | 5 | 5 |
| Fiber Type | - | PM980 | PM1550 |
| Working Temperature | ℃ | -5 to +70 | |
| Storage Temperature | ℃ | -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.

*Above specifications are for device without connector and may change without notice.

Ordering Information

PMBPF-①-②-③-④-⑤-⑥-⑦-⑧

| ①Central | ②Pass Band | ③Blocked Band | ④Package | ⑤Fiber Type | ⑥Fiber Length | ⑦Fiber Jacket | ⑧Connector |
|-------------|------------|---------------|----------|---------------|---------------|---------------|------------|
| 1064-1064nm | 2-2nm | 5-5nm | 5.5x35 | PM980-PM980 | 1-1M | 0-Bare Fiber | FU-FC/PC |
| 1550-1550nm | 5-5nm | 8-8nm | | PM1550-PM1550 | S-Specify | 1-900μm Loose | FA-FC/APC |
| 2000-2000nm | 8-8nm | 10-10nm | | S-Specify | | 2-2mm Cable | S-specify |
| S-Specify | S-Specify | S-Specify | | | | | |