



1064nm High Power PM Bandpass Filter

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks



SPECIFICATIONS

| Parameters | Unit | Value | |
|--|--------|--|---------------------|
| Center Wavelength | nm | 1064 | |
| Min. Pass Band Width @ 0.5dB | nm | +/-1 | +/-4 |
| Insertion Loss over Pass Band Wavelength | dB | ≤1.2 | |
| Stop Band @ 25dB | nm | 1000~1058&1070~1100 | 1000~1053&1075~1100 |
| Configuration | D Type | 2-port | |
| | Y Type | 3-port, (Blocked Wavelength Guide Out) | |
| Fiber Type at 3 rd Port (Only for Y Type) | - | 105/125um MM Fiber, HI1060 Fiber or PM980 Panda Fiber 10/125um Fiber or 10/125um PM Fiber | |
| Optical Return Loss | dB | ≥50 | |
| Extinction Ratio | dB | ≥20 | |
| Fiber Type | - | PM980 Panda Fiber or 10/125um PM Fiber | |
| Polarization Alignment | - | Slow Axis | |
| Fiber Tensile Load | N | 5 | |
| Maximum Optical Power (CW) | W | 1, 2, 5, 10 or customer specify | |
| Operating Temperature | °C | 0~50 | |
| Storage Temperature | °C | -40~85 | |
| Package Dimension | mm | (Φ)5.5x35 | |

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. Devices for higher optical power or with other type fiber (20/125um or 25/250um, etc) are also available.
 5. Devices can only work in the core of Double Cladding (DC) Fiber. Please contact us if need working in the Cladding.
 6. Suggest to use Y type if backward power is >1W.

ORDERING INFORMATION

| | | | | | | | | |
|--------------------------|------------------|-----------------------|----------------------|--------------------|---------------------|---------------------|-------------------------|--------------------|
| FPWM- | NNNN | - NN | - (C) | HP NN | - C | C | NN | - CC/CCC |
| Center Wavelength | Bandwidth | 3rd Port Fiber | Optical Power | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type | |
| 1064= 1064nm | 20= +/-1nm | Y= 105/125um Fiber | 1=1W | 2= PM980 Fiber | B= Bare Fiber | 10=1.0m | N | =Without Connector |
| | 80= +/-4nm | P=PM980 Fiber | 2= 2W | E=10/125 PM Fiber | L= Loose Tube | 15=1.5m | FC/APC=FC/APC Connector | |
| | | H=HI1060 Fiber | 10= 10W | O=10/125PMDC Fiber | | 20=2.0m | LC/PC | =LC/PC Connector |
| | | E=10/125 PM Fiber | | | | | | |
| | | O=10/125PMDC Fiber | | | | | | |
| | | EH=10/125 Fiber | | | | | | |
| | | OH=10/125DC Fiber | | | | | | |

Blank for D Type