

# Optizone 2000nm High Power Polarization Maintaining Filter Wavelength Division Multiplexers

## Features

All Fiber Construction  
High Power Handling Capability  
Outstanding Optical Performance  
Cost Effective  
High Reliability

## Applications

Fiber Optical Test Equipment  
Fiber Sensor  
Fiber Lasers  
Optical Fiber Amplifier  
R&D  
Radar

## Specifications

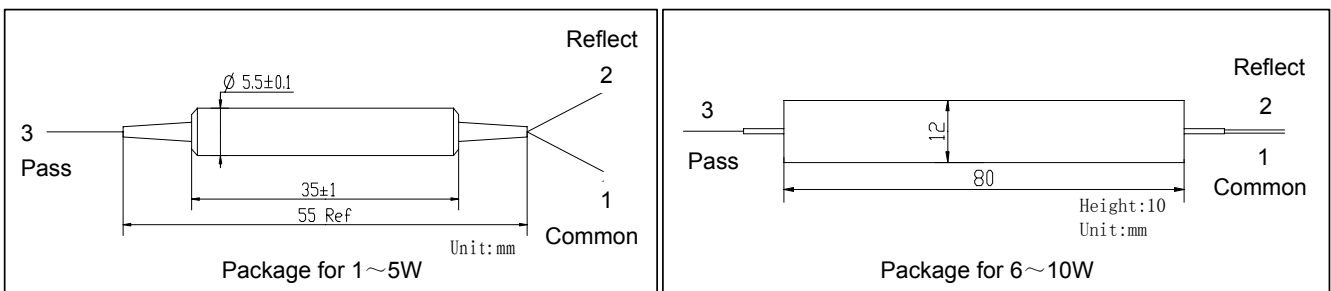
| Parameters                         | Unit                | Values                                  |           |
|------------------------------------|---------------------|---|-----------|
| Pass Band                          | Wavelength Range    | nm                                      | 1950~2050 |
|                                    | Max. Insertion Loss | dB                                      | 1.0       |
|                                    | Typ. Insertion Loss | dB                                      | 0.8       |
|                                    | Min. Isolation      | dB                                      | 25        |
|                                    | Typ. Isolation      | dB                                      | 30        |
| Reflection Band                    | Wavelength Range    | nm                                      | 1550~1590 |
|                                    | Max. Insertion Loss | dB                                      | 0.8       |
|                                    | Typ. Insertion Loss | dB                                      | 0.6       |
|                                    | Min. Isolation      | dB                                      | 12        |
|                                    | Typ. Isolation      | dB                                      | 15        |
| Min. Return Loss                   | dB                  | 50                                      |           |
| Min. Directivity(over 1550~1590nm) | dB                  | 55                                      |           |
| Min. Extinction Ratio              | dB                  | 18                                      |           |
| Typ. Extinction Ratio              | dB                  | 20                                      |           |
| Thermal Stability                  | dB/°C               | ≤0.005                                  |           |
| Max. Optical Power (CW)            | W                   | 1, 3, 5 or Specify                      |           |
| Max. Tensile Load                  | N                   | 5                                       |           |
| Fiber Type                         |                     | PM 1550 Fiber, PM 1950 Fiber or Specify |           |
| Operating Temperature              | °C                  | -5 to +70                               |           |
| Storage Temperature                | °C                  | -40 to +85                              |           |

\*Above specifications are for device without connector.

\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower, optical power is only 1W.

\*The PM fiber and the connector key are aligned to the slow axis.

## Package Dimensions



## Ordering Information

HPMFWDM-①①①①-②-③③-④④④-⑤⑤⑤-⑥

①①①①: Wavelength

2057 - 2000nm Pass / 1570nm Reflect

SSSS - Specify

③③: Handling Power

01 - 1W

SS - Specify

⑤⑤⑤: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

②: Fiber Type

1 - PM 1550 Fiber (all ports)

2 - PM 1550 Fiber at Common & Reflect ports  
and PM 1950 Fiber at Pass port

S - Specify

④④④: Connector Type on Port 1, 2 & 3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑥: Fiber Length

0.8 - 0.8m

S - Specify