# Optizone Polarization Maintaining Filter Wavelength Division Multiplexer

**Features**

Wide Pass Band
Low Insertion Loss
High Return Loss
Excellent Environmental Stability

**Applications**

Fiber Lasers
Fiber Amplifiers
Fiber Sensors
Research

**Specifications**

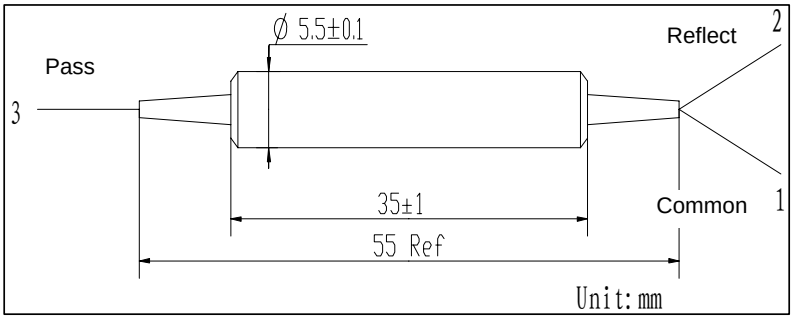
| Parameters | | Unit | Values |
|---|---|---|---|
| Pass Band | Wavelength Range | nm | 960~990 (1020~1080) |
| | Max. Insertion Loss | dB | 0.7 |
| | Typ. Insertion Loss | dB | 0.5 |
| | Min. Isolation | dB | 25 |
| | Typ. Isolation | dB | 30 |
| Reflection Band | Wavelength Range | nm | 1020~1080 (960~990) |
| | Max. Insertion Loss | dB | 0.5 |
| | Typ. Insertion Loss | dB | 0.3 |
| | Min. Isolation | dB | 12 |
| | Typ. Isolation | dB | 15 |
| Min. Return Loss | | dB | 50 |
| Min. Extinction Ratio | | dB | 20 |
| Typ. Extinction Ratio | | dB | 22 |
| Min. Directivity (over Reflection Band) | | dB | 55 |
| Thermal Stability | | dB/ | ≤ 0.005 |
| Max. Optical Power (CW) | | mW | 300 |
| Max. Tensile Load | | N | 5 |
| Fiber Type | | | PM 980 Panda Fiber |
| Operating Temperature | | | -5 to +70 |
| Storage Temperature | | | -40 to +85 |

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower and RL will be 5dB lower.

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

**Package Dimensions**




**Ordering Information**

**PMFWDM**- - - -

: Wavelength
9806 - 980nm Pass / 1064nm Reflect
0698 - 1064nm Pass / 980nm Reflect

: Fiber Jacket on Port 1, 2 & 3
B - 250um Bare Fiber
L - 900um Loose Tube
S - Specify

: Connector Type on Port 1, 2 & 3
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

: Fiber Length
0.8 - 0.8m
S - Specify