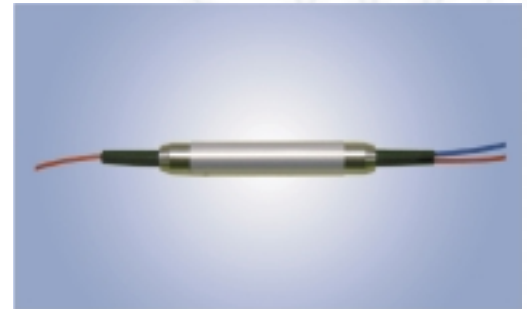




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# PM Wavelength Division Multiplexer

Polarization Maintaining Wavelength Division Multiplexer (PMWDM) using Thin Film Filters technology (TFF) combine light with different wavelengths into a fiber or separate an optical signal into two fibers with special feature - maintaining polarization. This device provides low insertion loss and high return loss with high polarization extinction ratio.



## Types

- Fused WDM
- Thin Film Filter WDM
- MultiMode WDM
- Polarization Maintaining WDM

## Applications

- High Speed DWDM Systems
- Erbium-Doped Fiber Amplifiers
- CATV

## Features

- Low Insertion Loss
- High Return Loss
- High Polarization Extinction Ratio
- Environmentally Stable



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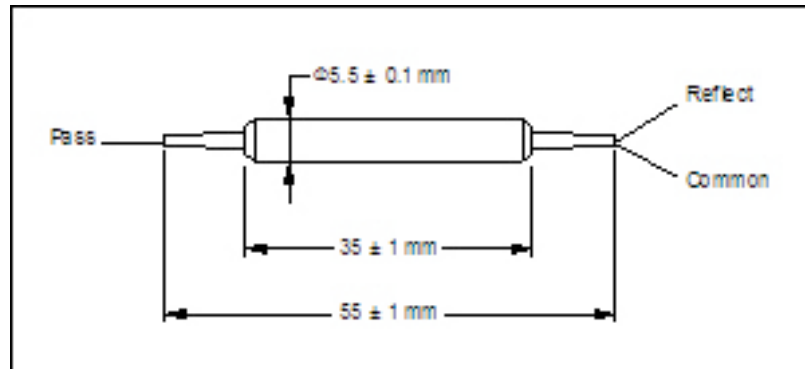
## SPECIFICATIONS

### Polarization Maintaining WDM (1400 Pass/1060 Reflect)

| Parameter               | Values   | Units     |
|-------------------------|--|-----------|
| Passband                | Wavelength Range   | 1390-1420 |
|                         | Max. Insertion Loss  | 1.0       |
|                         | Min. Isolation   | 30        |
| Reflection Band         | Wavelength Range   | 1050-1070 |
|                         | Max. Insertion Loss  | 0.7       |
|                         | Min. Isolation   | 12        |
| Min. Extinction Ratio   | 20   | dB        |
| Min. Return Loss        | 50   | dB        |
| Thermal Stability       | 0.005  | dB/°C     |
| Max. Optical Power (CW) | 500  | mW        |
| Max. Tensile Load       | 5  | N         |
| Fiber Type              | PM 980 Panda Fiber on reflect & common ports<br>PM 1310 Panda fiber on pass port | --        |
| Operating Temperature   | -5 to +70  | °C        |
| Storage Temperature     | -40 to +85   | °C        |

\*IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower for each connector added.

\*Connector key is aligned to slow axis.



## ORDERING CODES

OLWDM - P - [ ] - [ ] - [ ] - [ ]

| Wavelength              | Code |
|-------------------------|------|
| 1400Pass/1060Reflection | 4006 |
| Others                  | XX   |

| Fiber Type       | Code |
|------------------|------|
| 250um bare fiber | 25   |
| 900um loose tube | 90   |
| Others           | XX   |

| Fiber Length | Code |
|--------------|------|
| 0.75m        | 75   |
| Others       | XX   |

| Connector Type | Code |
|----------------|------|
| No Connector   | NC   |
| FC/UPC         | FU   |
| SC/UPC         | SU   |
| FC/APC         | FA   |
| SC/APC         | SA   |
| Others         | XX   |

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