

# 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

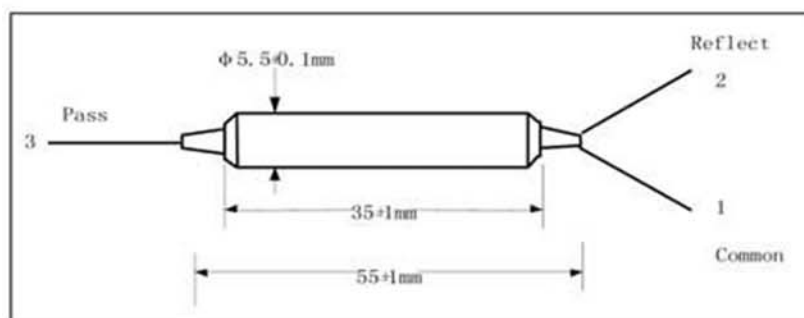
## Specifications

| Parameters              |                     | Unit  | Values        |
|-------------------------|---------------------|-------|---------------|
| Pass Band               | Wavelength Range    | nm    | 960-990       |
|                         | Max. Insertion Loss | dB    | 0.7           |
|                         | Typ. Insertion Loss | dB    | 0.5           |
|                         | Typ. Isolation      | dB    | 30            |
|                         | Min. Isolation      | dB    | 25            |
| Reflection Band         | Wavelength Range    | nm    | 1010-1050     |
|                         | Max. Insertion Loss | dB    | 0.5           |
|                         | Typ. Insertion Loss | dB    | 0.3           |
|                         | Typ. Isolation      | dB    | 15            |
|                         | Min. Isolation      | dB    | 13            |
| Optical Return Loss     |                     | dB    | 50            |
| Max. PDL                |                     | dB    | 0.1           |
| Typ. PDL                |                     | dB    | 0.05          |
| Thermal Stability       |                     | dB/°C | ≤0.005        |
| Max. Optical Power (CW) |                     | mW    | 300           |
| Max. Tensile Load       |                     | N     | 5             |
| Fiber Type              |                     |       | HI 1060 fiber |
| 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.

## Package Dimensions



## Ordering Information

FWDM-①①①①-②②②②-③③③③-④

①: Wavelength

9803 - 980nm Pass / 1030nm Reflect

②②②②: Connector Type on Port 1, 2 & 3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③③③③: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

④: Fiber Length

1 - 1.0m

S - Specify