

Features

- Low Insertion Loss
- Low Polarization Dependence
- High Isolation
- Excellent Environmental Stability
- High Power Handling Capability

Applications

- EDFAs
- Raman Amplifier
- WDM Networks
- Fiber Optics Instrumentation

Specifications

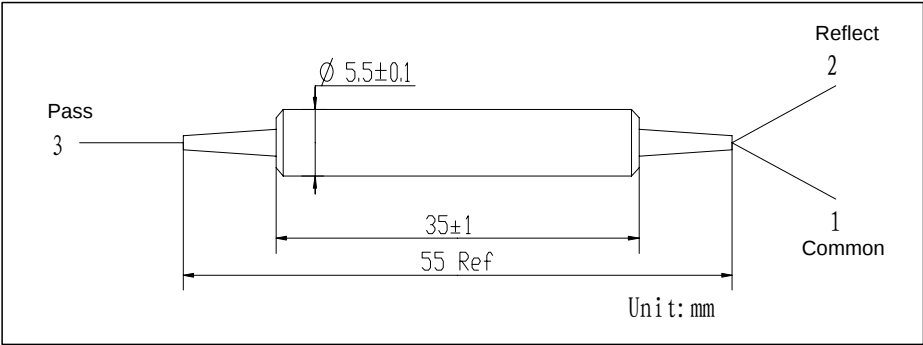
| Parameters                   |                       | Unit | Values             |             |             |                                               |
|------------------------------|-----------------------|------|--------------------|-------------|-------------|-----------------------------------------------|
| Pass Band                    | Wavelength Range      | nm   | 1270-1350          | 1450-1490   | 1500-1520   | 950-1010                                      |
|                              |                       |      | (1530-1600)        | (1530-1580) | (1530-1570) | (1500-1600)                                   |
|                              | Typ. Insertion Loss   | dB   | 0.6                | 0.6         | 0.7         | 0.7                                           |
|                              | Max. Insertion Loss   | dB   | 0.8                | 0.8         | 0.9         | 0.9                                           |
|                              | Typ. Isolation        | dB   | 35                 | 30          | 35          | 35                                            |
|                              | Min. Isolation at 23℃ | dB   | 30                 | 25          | 30          | 30                                            |
| Reflection Band              | Wavelength Range      | nm   | 1530-1600          | 1530-1580   | 1530-1570   | 1500-1600                                     |
|                              |                       |      | (1270-1350)        | (1450-1490) | (1500-1520) | (950-1010)                                    |
|                              | Typ. Insertion Loss   | dB   | 0.5                |             |             |                                               |
|                              | Max. Insertion Loss   | dB   | 0.7                |             |             |                                               |
|                              | Typ. Isolation        | dB   | 15                 |             |             |                                               |
|                              | Min. Isolation at 23℃ | dB   | 12                 |             |             |                                               |
| Min. Optical Return Loss     |                       | dB   | 50                 |             |             |                                               |
| Max. PDL                     |                       | dB   | 0.1                |             |             |                                               |
| Typ. PDL                     |                       | dB   | 0.05               |             |             |                                               |
| Thermal Stability            |                       | dB/℃ | ≤0.005             |             |             |                                               |
| Max. Optical Power (CW)      |                       | W    | 1, 2, 3 or Specify |             |             |                                               |
| Max. Peak Power for ns Pulse |                       | kW   | 10                 |             |             |                                               |
| Max. Tensile Load            |                       | N    | 5                  |             |             |                                               |
| Fiber Type                   |                       |      | SMF-28e Fiber      |             |             | HI 1060 Fiber<br>for Pump Channel (Two Ports) |
| 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 and RL will be 5dB lower and optical power is only 1000mW(CW).

\*SMF-28e Fiber is used for 1550nm interface and HI 1060 Fiber is used for 980nm channel.

Package Dimensions



Ordering Information

HPFWDM-①①①①-②②-③③③-④④④-⑤

①①①①: Wavelength

- 3155 - 1310nm Pass / 1550nm Reflect
- 5531 - 1550nm Pass / 1310nm Reflect
- 4855 - 1480nm Pass / 1550nm Reflect
- 5548 - 1550nm Pass / 1480nm Reflect
- 5155 - 1510nm Pass / 1550nm Reflect
- 5551 - 1550nm Pass / 1510nm Reflect
- 9855 - 980nm Pass / 1550nm Reflect
- 5598 - 1550nm Pass / 980nm Reflect

②②: Handling Power

- 01 - 01W
- SS - Specify

③③③: Connector Type on Port 1, 2 & 3

- 1 - FC/UPC
- 2 - FC/APC
- 3 - SC/UPC
- 4 - SC/APC
- N - None
- S - Specify

④④④: Fiber Jacket on Port 1, 2 & 3

- B - 250um Bare Fiber
- L - 900um Loose Tube
- S - Specify

⑤: Fiber Length

- 1 - 1.0m
- S - Specify