



Filter Wavelength Division Multiplexer 980/1550nm (FWDM Series)

The Filter Wavelength Division Multiplexer series are based on environmentally stable Thin Film Filters technology. The devices combine or separate light at different wavelength in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability. High power handling capability can be achieved through unique pigtail processing and high quality AR coating. These components have been extensively used in EDFA, Raman amplifier, WDM networks and fiber optics instrumentation.



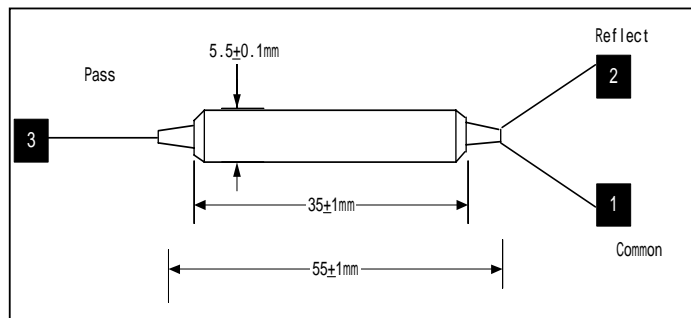
Specifications

| Parameters | | Unit | Values |
|-----------------------|---------------------|------|-----------------------|
| PassBand | Wavelength Range | nm | 950-1010(1500-1600) |
| | Max. Insertion Loss | dB | 0.7 |
| | Typ. Insertion Loss | dB | 0.5 |
| | Min. Isolation | dB | 30 |
| | Typ. Isolation | dB | 35 |
| Reflection Band | Wavelength Range | nm | 1500 - 1600(950-1010) |
| | Max. Insertion Loss | dB | 0.5 |
| | Typ. Insertion Loss | dB | 0.4 |
| | Min. Isolation | dB | 10 |
| | Typ. Isolation | dB | 12 |
| Min. Return Loss | | dB | 50 |
| Max. PDL | | dB | 0.1 |
| Typ. PDL | | dB | 0.05 |
| Thermal Stability | | dB/ | 0.005 |
| Max. Optical Power | | mW | 300 |
| Max. Tensile Load | | N | 5 |
| Operating Temperature | | | -5 to +70 |
| Storage Temperature | | | -40 to +85 |

*Above specification are for device without connector.

*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower.

Package Dimensions



Ordering Information

FWDM- - - -

:Wavelength
9855 - 980 Pass / 1550 Reflect
5598 - 980 Reflect / 1550 Pass

:Fiber Type
B - 250 um bare fiber
L - 900 um loose tube

: Connector Type
1 - FC/UPC
2 - ST/UPC
3 - LC/UPC
4 - FC/APC
5 - SC/APC
6 - SC/UPC
S - Specify
N - None

: Fiber Length
1 - 1.0 m
S - Specify

* Corning SMF-28 is used for 1550nm interface and Corning Flexcor 1060 is used for 980nm channel