



Wavelength Division Multiplexer (635/1064) (WDM Series)

Rev 11G

Description

The Wavelength Division Multiplexer combine or separate light at different wavelengths. They offer very low insertion loss, low polarization dependent loss, high isolation and excellent environmental stability. These components have been extensively used in fiber laser, CATV, WDM networks and fiber optic instruments.

Key Features

- High Isolation
- Low Insertion Loss
- Low Polarization Dependent Loss

Applications

- Fiber Laser
- WDM Networks
- Fiber Optic Instruments

Specifications

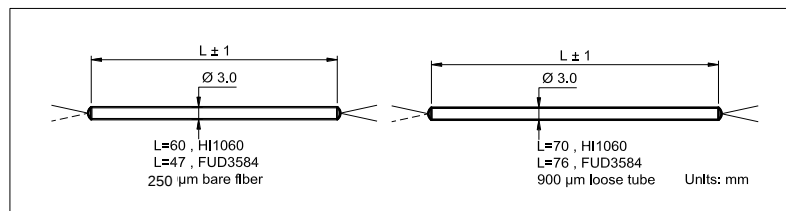
Parameter	Unit	Value
Longer Operating Wavelength	nm	1064 ± 5
Max. Insertion Loss ¹	dB	0.2
Max. Polarization Dependent Loss ¹	dB	0.1
Min. Isolation ¹	dB	20
Shorter Operating Wavelength	nm	635 ± 5
Max. Insertion Loss ¹	dB	1.0
Min. Isolation ¹	dB	10
Thermal Stability	dB/°C	≤ 0.002
Min. Return Loss ²	dB	55
Min. Directivity	dB	55
Max. Optical Power (Continuous Wave) ³	W	5
Operating Temperature	°C	- 40 to + 75
Storage Temperature	°C	- 40 to + 85

¹Test at central wavelength only. IL is 0.5 dB higher for each connector added.

²RL is 5 dB lower for connector added.

³The Optical Power is 1 W only for connector added.

Package Dimensions



Ordering Information

WDM-①-②②②②②②②②-③-④-⑤-⑥

①: Configuration

1 - 1 × 2

2 - 2 × 2

②②②②②②②②: Wavelength

6351064 - 635 & 1064 nm

③: Connector Type

1 - FC/UPC 4 - SC/APC

2 - FC/APC N - None

3 - SC/UPC S - Specify

④: Fiber Jacket

B - 250 µm Bare Fiber

L - 900 µm Loose Tube

⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥: Fiber Type

4 - Corning HI 1060 Fiber

8 - Nufern FUD-3584 Fiber