

2 μ m Fused Wavelength Division Multiplexer (WDM Series)

Rev 11C

Description

The 2 μ m Fused Wavelength Division Multiplexer combines or separates light at 1570 nm (800 nm) and 2000 nm windows. They offer very low insertion loss and excellent environmental stability.

Key Features

- Excellent Environmental Stability
- Low Insertion Loss

Applications

- High Power Fiber Laser
- Fiber Laser

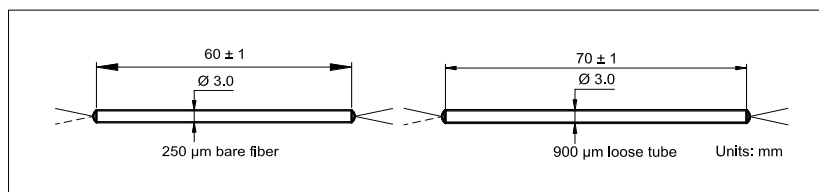
Specifications

Parameter	Unit	Value		
Longer Operating Wavelength	nm	2000 $\pm$ 20 or specify		
Max. Insertion Loss ¹	dB	0.6		
Min. Isolation ¹	dB	13		
Max. Polarization Dependent Loss ¹	dB	0.15		
Shorter Operating Wavelength	nm	1570 $\pm$ 20	800 $\pm$ 20	650 $\pm$ 20
Max. Insertion Loss ¹	dB	0.6	0.6	1.5
Min. Isolation ¹	dB	17	17	15
Thermal Stability	dB/ $^{\circ}$ C	$\leq$ 0.002		
Min. Return Loss ²	dB	55		
Min. Directivity	dB	55		
Max. Optical Power (Continuous Wave)	mW	500		
Operating Temperature	$^{\circ}$ C	- 40 to + 75		
Storage Temperature	$^{\circ}$ C	- 40 to + 85		

¹Test at central wavelength only. IL is 0.3 dB higher for each connector added.

²RL is 5 dB lower for connector added.

Package Dimensions



Ordering Information

WDM-①-②②②②②②②②-③-④-⑤-⑥

①: Configuration

1 - 1 $\times$ 2

②②②②②②②②: Wavelength

15702000 - 1570 & 2000 nm

8002000 - 800 & 2000 nm

6502000 - 650 & 2000 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 μ m Bare Fiber

L - 900 μ m Loose Tube

⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥: Fiber Type

6 - Corning SMF-28 Fiber