



Polarization Maintaining Fused Wavelength Division Multiplexer (976/1064) (PMWDM Series)

Rev 11

Description

The Polarization Maintaining Fused Wavelength Division Multiplexer combine or separate light at different wavelengths. They offer very low insertion loss, high extinction ratio, and excellent environmental stability. These components can be operated on both fast and slow axis.

Key Features

- High Extinction Ratio
- Low Insertion Loss
- Excellent Environmental Stability

Applications

- Fiber Laser
- Fiber Amplifier

Specifications

Parameter	Unit	Value
Longer Operating Wavelength	nm	1064 ± 2 or specify
Max. Insertion Loss ¹	dB	0.5
Min. Isolation ¹	dB	15
Min. Extinction Ratio ²	dB	17
Shorter Operating Wavelength	nm	976 ± 2 or specify
Max. Insertion Loss ¹	dB	0.5
Min. Isolation ¹	dB	15
Min. Extinction Ratio ²	dB	17
Thermal Stability	dB/°C	≤ 0.005
Min. Return Loss ³	dB	55
Min. Directivity	dB	55
Max. Optical Power (Continuous Wave) ⁴	W	2
Fiber Type	-	PM Panda Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

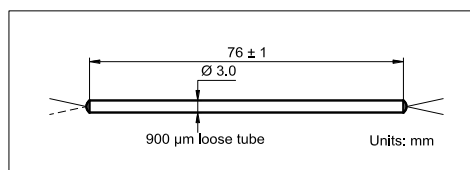
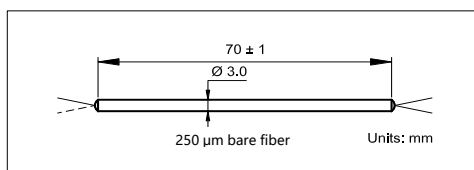
¹Test at central wavelength only. IL is 0.5 dB higher for each connector added.

²ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

³RL is 5 dB lower for connector added.

⁴The Optical Power is 1 W only for connector added.

Package Dimensions



Ordering Information

PMWDM-①-②②②②②②②②-③-④-⑤-⑥

①: Configuration

1 - 1 × 2

2 - 2 × 2

②②②②②②②②: Wavelength

9761064 - 976 & 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 μ m Bare Fiber

L - 900 μ m Loose Tube

⑤: Fiber Length

Q - 0.75 m

S - Specify

⑥: Fiber Type

4 - Corning Panda PM 980