2 μm Polarization Maintaining Fused Wavelength Division Multiplexer (PMWDM Series)

Rev 11F

Description

The 2 μm 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.

Key Features

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

Applications

- Fiber Laser
- Fiber Optic Instruments

Specifications

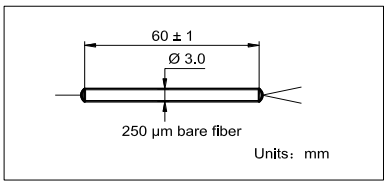
Parameter	Unit	Value		
Longer Operating Wavelength	nm	2000 ± 20 or specify		
Max. Insertion Loss[1]	dB	0.7		
Min. Isolation[1]	dB	13		
Min. Extinction Ratio[2]	dB	20		
Shorter Operating Wavelength	nm	1570 ± 20	800 ± 20	650 ± 20
Max. Insertion Loss[1]	dB	0.7	0.7	1.5
Min. Isolation[1]	dB	15	15	10
Thermal Stability	dB/℃	≤ 0.005		
Min. Return Loss[3]	dB	55		
Min. Directivity	dB	55		
Max. Optical Power (Continuous Wave)	mW	300		
Fiber Type	-	PM 1550 Panda Fiber		
Operating Temperature	℃	- 5 to + 70		
Storage Temperature	℃	- 40 to + 85		

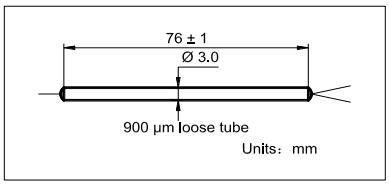
[1]Test at central wavelength only. IL is 0.5 dB higher for each connector added.

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

[3]RL is 5 dB lower for connector added.

Package Dimensions





Ordering Information

PMWDM-①-②②②②②②②②-③-④-⑤-⑥

①: Configuration

1 - 1 × 2

②②②②②②②②: Wavelength

15702000 - 1570 & 2000 nm

8002000 - 800 & 2000 nm

6502000 - 650 & 2000 nm

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Jacket
B - 250 μm Bare Fiber
L - 900 μm Loose Tube

⑤: Fiber Length
Q - 0.75 m
S - Specify

⑥: Fiber Type
6 - Corning Panda PM 1550