Advanced Fiber Resources (HK), Ltd.

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

REV 11F

The Polarization Maintaining Fused Wavelength Division Multiplexer combine or separate light at different
They offer very low insertion loss, high extinction ratio, and excellent environmental stability.

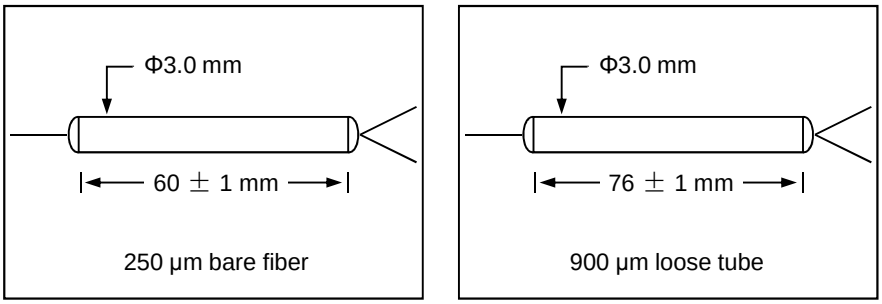
Specifications

Parameter	Unit	Value		
Longer Operating Wavelength	nm	2000 ± 20 or Specify		
Max. Insertion Loss	dB	0.7		
Min. Isolation	dB	13		
Min. Extinction Ratio	dB	20		
Shorter Operating Wavelength	nm	1570 ± 20	800 ± 20	650 ± 20
Max. Insertion Loss	dB	0.7	0.7	1.5
Min. Isolation	dB	15	15	10
Thermal Stability	dB/℃	⩽ 0.005		
Min. Return Loss	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		

*IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

*Test at central wavelength only.

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