Advanced Fiber Resources (HK), Ltd.

Polarization Maintaining Fused Wavelength Division Multiplexer (980/1550) (PMWDM Series)

REV 11G

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 operating on both fast and slow axis.

Specifications

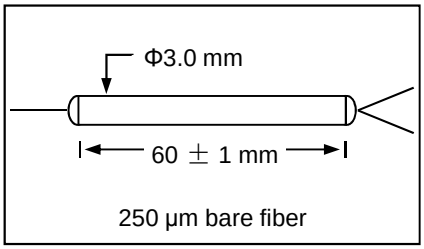
Parameter	Unit	Value
Longer Operating Wavelength	nm	1550 ± 20
Max. Insertion Loss	dB	0.7
Min. Isolation	dB	17
Min. PER	dB	20
Shorter Operating Wavelength	nm	980 ± 10
Max. Insertion Loss	dB	0.7
Min. Isolation	dB	17
Thermal Stability	dB/℃	≤ 0.005
Min. Return Loss	dB	55
Min. Directivity	dB	55
Max. Optical Power (Continuous Wave)	mW	300
Fiber Type		PM Panda fiber
Operating Temperature	℃	-5 to +70
Storage Temperature	℃	-40 to +85

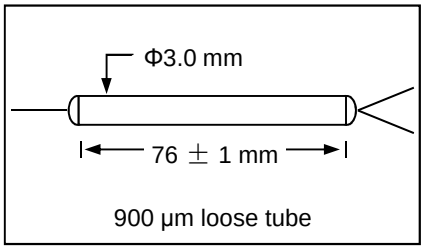
*IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

*For PM980 fiber option, the components can only operate on 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
9801550 - 980 & 1550 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 - 0.75m
S - Specify

⑥: Fiber Type
4 - Corning Panda PM 980
6 - Corning Panda PM 1550