



Polarization Maintaining Fused Wavelength Division Multiplexer (980/1550) (High Reliability)

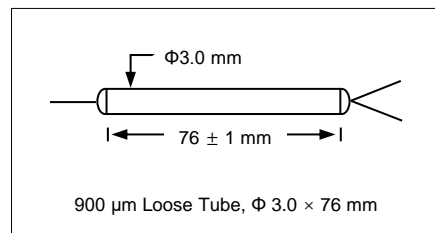
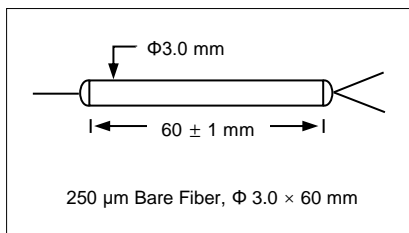
The Polarization-Insensitive 980/1550 nm Hybrid PM WDM combine light at 980 nm and 1550 nm windows. They offer very low insertion loss, high extinction ratio, high isolation and excellent environmental stability.

Specifications

Parameter	Unit	Value
Pump Channel	nm	980 ± 10
Max. Insertion Loss	dB	0.7
Min. Isolation @ 1550 nm	dB	17
Signal Channel	nm	1550 ± 20
Max. Insertion Loss	dB	0.6
Min. Isolation @ 980 ± 10 nm	dB	17
Min. PER	dB	20
Thermal Stability	dB/°C	≤ 0.002 over - 5 °C to + 70 °C
Min. Return Loss	dB	50
Min. Directivity	dB	50
Max. Optical Power (Continuous Wave)	W	2
Fiber Type		Common Port, PM 1550 Fiber 1550 nm Port, PM 1550 Fiber 980 Port, PM 980 Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

¹IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMWDM-①-②②②②-③-④-⑤-SPA

①: Configuration
1 - 1 × 2

②②②②: Wavelength
9855 - 980 & 1550 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 μm Bare Fiber
L - 900 μm Loose Tube
S - Specify

⑤: Fiber Length

1 - 1.0 m
S - Specify