

Singlemode Wavelength Division Multiplexers (980/1064) (WDM Series)

Rev 11C

The Singlemode Wavelength Division Multiplexers combine or separate light at different wavelengths. They offer very low insertion loss, low polarization dependence, high isolation, and excellent environmental stability. These components have been extensively used in EDFA, CATV, WDM networks and fiber optics instrumentation.

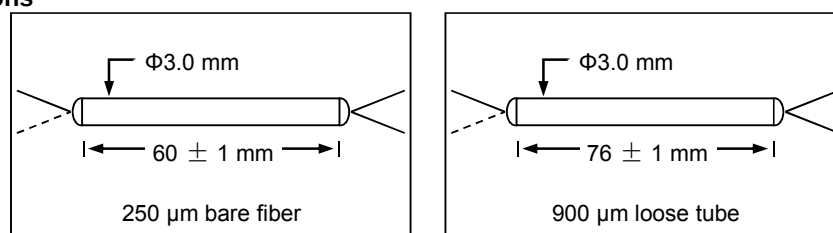
Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	980/1064
Operating Wavelength	nm	$\lambda_c \pm 5$
Min. Isolation	dB	13
Max. Insertion Loss	dB	0.35
Max. Polarization Dependent Loss	dB	0.1
Thermal Stability	dB/°C	≤ 0.002 over -5°C to $+70^\circ\text{C}$
Min. Return Loss	dB	60
Min. Directivity	dB	60
Max. Optical Power (Continuous Wave)	mW	300
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

*IL is 0.5 dB higher, RL is 5 dB lower for each connector added.

*Test at central wavelength only.

Package Dimensions



Ordering Information

WDM-①-②②②②-③-④-⑤-⑥

①: Configuration

1 - 1 × 2

2 - 2 × 2

②②②②: Wavelength

9806 - 980 & 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 μm bare fiber

L - 900 μm loose tube

⑤: Fiber Length

1 - 1.0 m

S - Specify

⑥: Fiber Type

H - HI 1060 fiber

F - HI 1060 Flex fiber

S - Specify