



Singlemode Wavelength Division Multiplexer (1310/1550, 1480/1550) (WDM Series)

Rev 11D

Description

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

Key Features

- Low Insertion Loss
- High Isolation

Applications

- Fiber Optic Instruments
- EDFA, CATV, WDM Networks

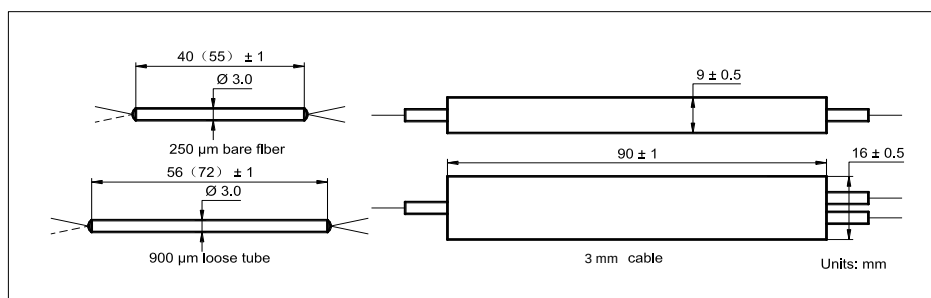
Specifications

Parameter	Unit	Value	
Center Wavelength (λ_c)	nm	1310/1550	1480/1550
Operation Wavelength	nm	$\lambda_c \pm 15$	$\lambda_c \pm 5$
Min. Isolation	dB	17	13
Max. Insertion Loss ¹	dB	0.20	0.35
Max. Polarization Dependent Loss	dB	0.1	0.2
Thermal Stability	dB/°C	≤ 0.002 over - 5 to + 70 °C	
Min. Return Loss ²	dB	60	
Directivity	dB	60	
Max. Optical Power (Continuous Wave)	mW	300	
Fiber Type	-	SMF-28 Fiber	
Package Dimensions	mm	250 μ m Bare Fiber, $\varnothing$ 3.0 $\times$ 40 mm for 1310/1550 (3.0 $\times$ 55 mm for 1480/1550) 900 μ m Loose Tube, $\varnothing$ 3.0 $\times$ 56 mm for 1310/1550 (3.0 $\times$ 72 mm for 1480/1550) 3 mm Cable, 90 $\times$ 16 $\times$ 9 mm	
Operating Temperature	°C	- 5 to + 70	
Storage Temperature	°C	- 40 to + 85	

¹IL is 0.3 dB higher for each connector added.

²RL is 5 dB lower for connector added.

Package Dimensions



Ordering Information

WDM-①-②②②②-③-④-⑤

①: Configuration

1 - 1 × 2

2 - 2 × 2

②②②②: Wavelength

3155 - 1310 & 1550 nm

4855 - 1480 & 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

3 - 3 mm Cable

S - Specify

⑤: Fiber Length

1 - 1.0 m

S - Specify