Singlemode Wavelength Division Multiplexer (980/1550) (WDM Series)

Rev 11D

Description

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

Key Features

- High Isolation
- Low Insertion Loss
- Low Polarization Dependent Loss

Applications

- EDFA
- WDM Networks
- Fiber Optic Instruments

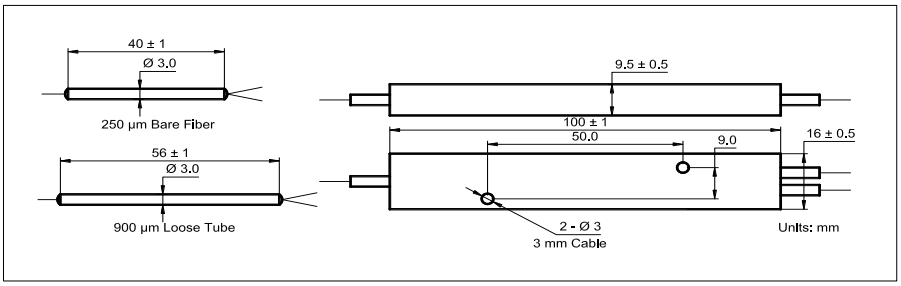
Specifications

Parameter	Unit	Value
Center Wavelength (λc)	nm	980/1550
Operating Wavelength	nm	λc ± 15
Min. Isolation[1]	dB	20
Max. Insertion Loss[1]	dB	0.15
Max. Polarization Dependent Loss[1]	dB	0.1
Thermal Stability	dB/℃	≤ 0.002
Min. Return Loss[2]	dB	60
Min. Directivity	dB	60
Max. Optical Power (Continuous Wave)	mW	300
Operating Temperature	℃	- 40 to + 75
Storage Temperature	℃	- 40 to + 85

[1]Test at central wavelength only. IL is 0.5 dB higher for each connector added.

[2]RL is 5 dB lower for connector added.

Package Dimensions



Ordering Information

WDM-①-②②②②-③-④-⑤-⑥

①: Configuration
1 - 1 × 2
2 - 2 × 2

②②②②: Wavelength
9855 - 980 & 1550 nm

③: Connetor 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

⑥: Fiber Option
F - HI 1060 Flex Fiber
O - OFS 980 Fiber