Singlemode Fused Wavelength Division Multiplexers (980/1550) (WDM Series)

Rev 10

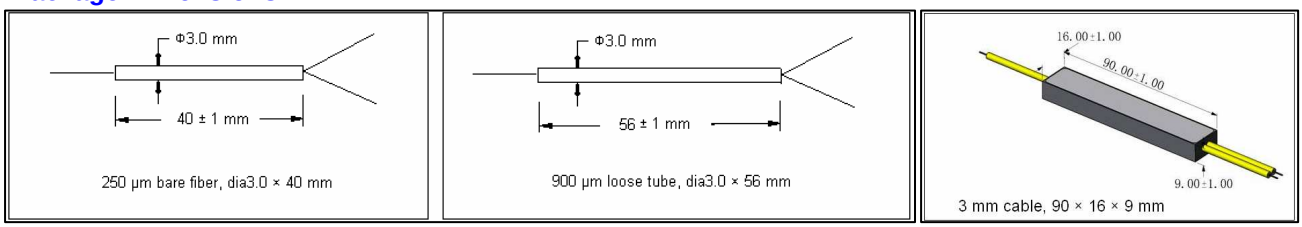
The Singlemode Fused Wavelength Division Multiplexers combine or separate light at different wavelengths. They offer very low insertion loss, low polarization dependence, high isolation and excellent enviromental stability. These components have been extensively used in EDFA, CATV, WDM networks and fiber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

Specifications

Parameter	Unit	Value
Center Wavelength (λc)	nm	980/1550
Operating Wavelength	nm	λc ± 15
Min. Isolation	dB	20
Max. Insertion Loss	dB	0.15
Max. Polarization Dependent Loss	dB	0.1
Thermal Stability	dB/℃	⩽ 0.002 over -5 ℃ to + 70 ℃
Min. Return Loss	dB	60
Directivity	dB	60
Max. Optical Power (Continuous Wave)	mW	300
Configuration		1 × 2 or 2 × 2
Fiber Type		HI 1060 Flex fiber or OFS 980 fiber
Package Dimensions		250 μm bare fiber, dia3.0 × 40 mm
		900 μm loose tube, dia3.0 × 56 mm
		3 mm cable, 90 × 16 × 9 mm
Operating Temperature	℃	-5 to +70
Storage Temperature	℃	-40 to +85

*IL is 0.5 dB higher, RL is 5 dB lower for each 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
C - 3 mm cable
S - Specify

⑤: Fiber Length
1 - 1 m
S - Specify

⑥: Fiber Option
H - HI 1060 Flex fiber
O - OFS 980 fiber