Advanced Fiber Resources (Hong Kong), Ltd.

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

Rev 10 B

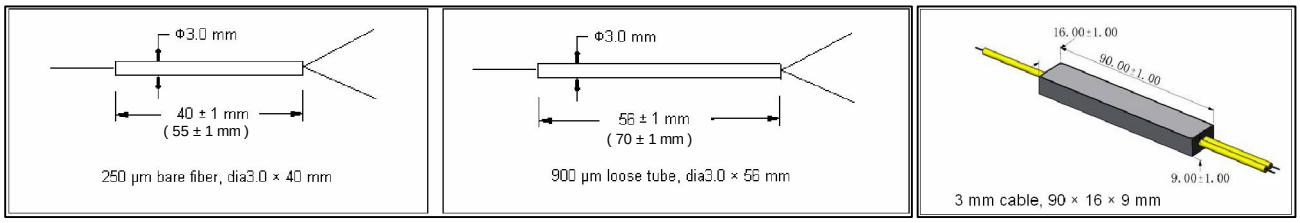
The Single Mode Wavelength Division Multiplexers combine or separate light at different wavelengths. They offer very low insertion loss, low polarization dependence, high isolation and excellent enviromental stability. These components have been extensively used in EDFA, CATV, WDM networks and fiber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

Specifications

Parameter	Unit	Value	
Center Wavelength (λc)	nm	1310/1550	1480/1550
Operation Wavelength	nm	λc ± 15	λc ± 5
Min. Isolation	dB	17	13
Max. Insertion Loss	dB	0.2	0.35
Max. Polarization Dependent Loss	dB	0.1	0.2
Thermal Stability	dB/℃	≤ 0.002 over -5 °C to +70 °C	
Min. Return Loss	dB	60	
Directivity	dB	60	
Max. Optical Power (Continuous Wave)	mW	300	
Configuration		1 × 2 or 2 × 2	
Fiber Type		SMF-28 fiber	
Package Dimensions	mm	250 μm bare fiber, dia3.0 × 40 mm for 1310/1550 (3.0 × 55 mm for 1480/1550)	
		900 μm loose tube, dia3.0 × 56 mm for 1310/1550 (3.5 × 70 mm for 1480/1550)	
		3 mm cable, 90 × 16 × 9 mm	
Operating Temperature	℃	-5 to +70	
Storage Temperature	℃	-40 to +85	

*IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

Package Dimensions



Ordering Information

WDM-①-②②②②-③-④-⑤

①: Configuration	②②②②: Wavelength	③: Connetor Type	④: Fiber Type	⑤: Fiber Length
1 - 1 × 2	3155 - 1310 & 1550 nm	1 - FC/UPC	B - 250 μm bare fiber	1 - 1 m
2 - 2 × 2	4855 - 1480 & 1550 nm	2 - FC/APC	L - 900 μm loose tube	S - Specify
		3 - SC/UPC	C - 3 mm cable	
		4 - SC/APC	S - Specify	
		N - None		
		S - Specify		