

Single Mode Wavelength Division Multiplexers(1310/1550,1480/1550)

Features

Wide Bandwidth
 Low Excess Loss
 Excellent Performance
 High Stability and Reliability

Applications

Telecommunications
 CATV Network
 Access Network
 Optical Amplifier

Specifications

Parameters	Unit	Values	
Grade		P	
Center Wavelength		1310/1550	1480/1550
Operating Wavelength Range	nm	±20	
Bandwidth	nm	±10	±5
Min. Isolation	dB	20	13
Max. Insertion Loss	dB	0.3	0.4
Max. PDL	dB	0.1	
Thermal Stability	dB/°C	≤ 0.002 over -5 °C to +70 °C	
Min. Directivity		55	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type		SMF-28e Fiber	
Package Dimensions	mm	250um Bare Fiber dia. 3.0X40 for 1310/1550, 3.0X55 for 1480/1550	
		900um Loose Tube dia. 3.0X56	
		3mm Loose Cable 106X79X10	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

Ordering Information

WDM-①①①①-②-③-④④-⑤⑤-⑥

①①①①: Wavelength
 3155 - 1310 & 1550nm
 4855 - 1480 & 1550nm

②: Grade
 P - P Grade
 S - Specify

③: Port
 1 - 1X2
 2 - 2X2

④④: Connector Type on Port 1 & 2
 1 - FC/UPC
 2 - FC/APC
 3 - SC/UPC
 4 - SC/APC
 N - None
 S - Specify

⑤⑤: Fiber Jacket on Port 1 & 2
 B - 250um Bare Fiber
 L - 900um Loose Tube
 C - 3mm Loose Cable
 S - Specify

⑥: Fiber Length
 1 - 1.0m
 S - Specify