

Single Mode Wavelength Division Multiplexers 1480/1590nm

Features

All Fiber Construction
 High Reliability
 Outstanding Optical Performance
 Different Fiber Types Available

Applications

Fiber to the Home (FTTH)
 Local Loop
 Passive Optical Networks
 Fiber Optic Sensing

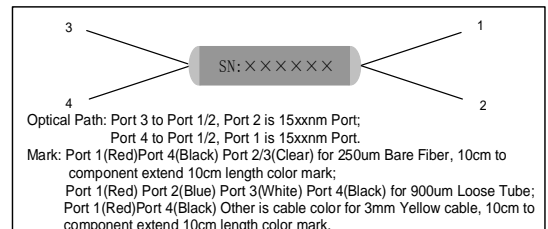
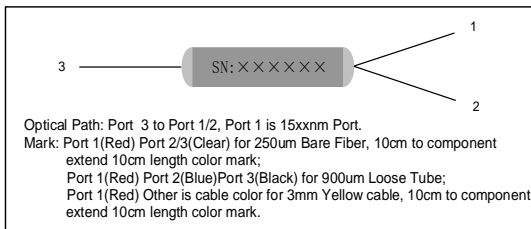
Specifications

Parameters	Unit	Values		
		1490/1550	1480/1550	1480/1590
Center Wavelength	nm	1490/1550	1480/1550	1480/1590
Operating Wavelength Range	nm	±5	±5	±5
Min. Isolation	dB	11	13	15
Max. Insertion Loss	dB	0.55	0.4	0.4
Max. PDL	dB	0.15	0.15	0.15
Min.Return Loss	dB	50	50	50
Min.Directivity	dB	50	50	50
Max. Optical Power (CW)	mW	500		
Max. Tensile Load	N	5		
Thermal Stability	dB/°C	≤ 0.002 over -5 °C to +70 °C		
Operating Temperature	°C	-5 to +70		
Storage Temperature	°C	-40 to +85		
Fiber Type		SMF-28e fiber		
Package Dimensions	mm	250um Bare Fiber		Ø3.0X55
		900um Loose Tube		Ø3.0X75
		3mm Loose Cable		90X16X9

*Above specifications are for device without connector.

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

Package Dimensions



Ordering Information

AWDM-①①①①-②-③③③③-④④④④-⑤

①①①①: Wavelength

4955 - 1490/1550

4855 - 1480/1550

4859 - 1480/1590

②: Port

1 - 1X2

2 - 2X2

③③③③: Connector Type on all Ports

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④④④④: Fiber Jacket on all Ports

B - 250um Bare Fiber

L - 900um Loose Tube

C - 3mm Cable

S - Specify

⑤: Fiber Length

1 - 1.0m

S - Specify