

Single Mode Wideband Monolithic 1x4 Couplers

Features

Wide Bandwidth and Low Insertion
 Low Insertion Loss
 High Quality and Reliability

Applications

Fiber Distribution Network
 CATV Network
 Test Equipment

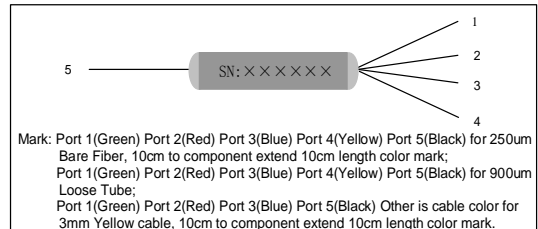
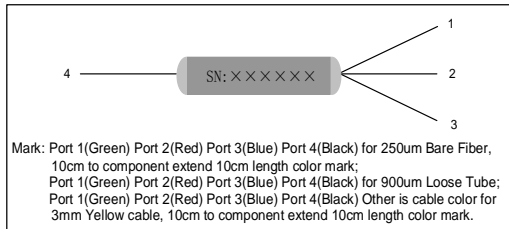
Specifications

Parameters	Unit	Values				
Operating Wavelength	nm	1310 or 1550		1310 and 1550		
Bandwidth	nm	±40				
Port Configuration	nm	1X3	1X4	1X3	1X4	
Coupling Ratio	%	33/33/33	25/25/25/25	33/33/33	25/25/25/25	
Max. Insertion Loss	dB	5.4	7.0	5.6	7.2	
Max. Uniformity	dB	0.8	1.0	1.0	1.2	
Max. Wavelength Dependent Loss	dB	0.6	0.6	0.8	1.2	
Max. PDL	dB	0.15	0.15	0.20	0.2	
Min. Directivity	dB	50				
Min. Return Loss	dB	50				
Max. Optical Power (CW)	MW	500				
Max. Tensile Load	N	5				
Thermal Stability	dB/°C	≤0.0025 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	250um Bare Fiber	mm	Ø3.5x40	Ø4.0x40	Ø3.5x40	Ø4.0x40
	900um Loose Tube		Ø3.5x56	Ø4.0x56	Ø3.5x56	Ø4.0x56
	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

ASWMC-①①①①-②②②②-③③-④④④④④-⑤⑤⑤⑤⑤-⑥

①①①①: Wavelength

31 - 1310nm

55 - 1550nm

3155 -1310 & 1550nm

②②②②: Port

0103 - 1x3

0104 - 1x4

③③: Coupling Ratio

BA - Balance

④④④④④: Connector Type on All Ports

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑤⑤⑤⑤⑤: Fiber Jacket on All Ports

B -250um bare fiber

L - 900um Loose Tube

C - 3mm Loose Cable

S - Specify

⑥: Fiber Length

1 - 1.0m

S - Specify