

**Optizone** Single Mode Wideband Monolithic 1×4 Couplers

**Features**

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

**Applications**

Fiber Distribution Network  
 CATV Network  
 Test Equipment

**Specifications**

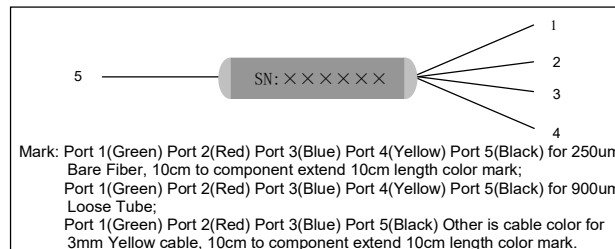
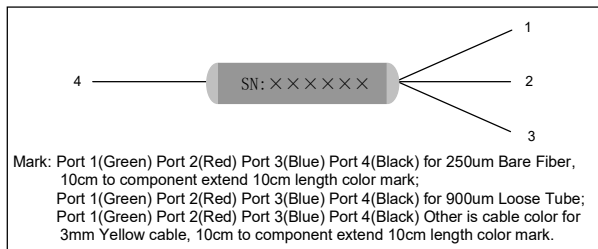
Parameters	Unit	Values				
Operating Wavelength	nm	1310 or 1550		1310 and 1550		
Bandwidth	nm	±40				
Port Configuration	nm	1X3	1X4	1X3	1X4	
Coupling Ratio	%	33/33/33	25/25/25/25	33/33/33	25/25/25/25	
Max. Insertion Loss	dB	5.4	7.0	5.6	7.2	
Max. Uniformity	dB	0.8	1.0	1.0	1.2	
Max. Wavelength Dependent 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	Ø3.0x40	Ø3.0x40	Ø3.0x40	Ø3.0x40
	900um Loose Tube		Ø3.0x56	Ø4.0x56	Ø3.0x56	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.

\* The material must be RoHS compliant.

**Package Dimensions**



**Ordering information**

**SWMC**-①①①①-②②②②-③③-④④④④④④-⑤⑤⑤⑤⑤⑤-⑥-⑦⑦-⑧⑧

①①①①: Wavelength  
 31 - 1310nm  
 55 - 1550nm  
 3155 -1310 & 1550nm

②②②②: Port  
 0103 - 1×3  
 0104 - 1×4

③③: Coupling Ratio  
 BA - Balance

④④④④④④: Connector Type  
 1B - FC/UPC  
 2B - FC/APC  
 3B - SC/UPC  
 4B - SC/APC  
 N - None  
 S - Specify

⑤⑤⑤⑤⑤⑤: Fiber Jacket  
 B -250um Bare Fiber  
 C - 900um Loose Tube(Red)  
 D - 900um Loose Tube(Blue)  
 E - 900um Loose Tube(Black)  
 F - 900um Loose Tube(White)  
 T - 3mm松套管(黄色)

⑥: Fiber Length  
 1 - 1.0m  
 S - Specify

⑦⑦: Fiber Type  
 09 - SMF-28e Fiber

⑧⑧: Package Dimensions  
 14 - Ø3.0X40  
 16 - Ø3.0X56  
 78 - Ø4.0X56  
 29 - 90x16x9