
Optizone Single Mode Standard Coupler
Features

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

Applications

Fiber Distribution Network
 CATV Network
 Test Equipment

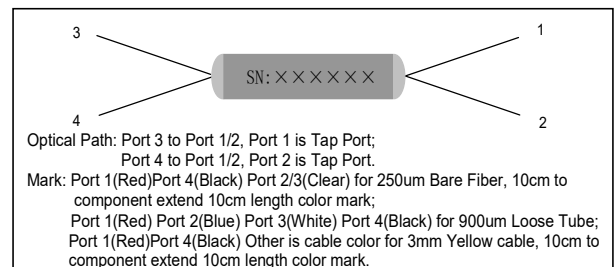
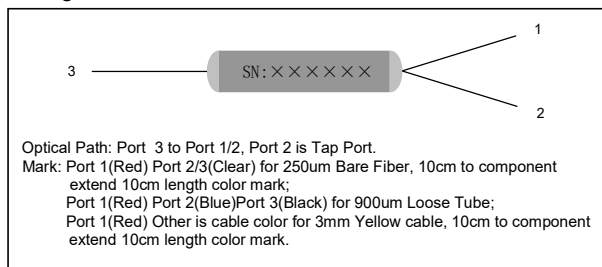
Specifications

Parameters	Unit	Values									
Center Wavelength	nm	1310 or 1550									
Operating Wavelength Range	nm	±20									
Coupling Ratio	%	1/99	2/98	3/97	5/95	10/90	20/80	30/70	40/60	50/50	
Max. Insertion Loss (Tap/Through Port)	dB	21.5/0.2	18.5/0.3	16.5/0.3	14.6/0.4	10.8/0.6	7.4/1.2	5.6/1.8	4.4/2.5	3.4	
Max. PDL (Tap/Through Port)	dB	0.3/0.05	0.3/0.05	0.3/0.05	0.3/0.05	0.25/0.05	0.25/0.05	0.25/0.05	0.25/0.05	0.1	
Min. Return Loss	dB	50									
Min. Directivity	dB	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							Ø3.0X40		
		900um Loose Tube							Ø3.0X56		
		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**

SMC-①①-②-③③-④④④④-⑤⑤⑤⑤-⑥-⑦⑦-⑧⑧

①①: Wavelength

31 - 1310nm

55 - 1550nm

SS - Specify

②: Port

1 - 1X2

2 - 2X2

③③: Coupling Ratio

01 - 1/99

02 - 2/98

03 - 3/97

05 - 5/95

10 - 10/90

20 - 20/80

30 - 30/70

40 - 40/60

50 - 50/50

SS - Specify

④④④④: Connector Type

1B - FC/UPC

2B - FC/APC

3B - SC/UPC

4B - SC/APC

N - None

S - Specify

⑤⑤⑤⑤: 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

29 - 90x16x9