

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

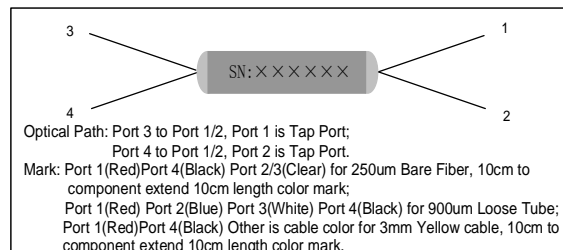
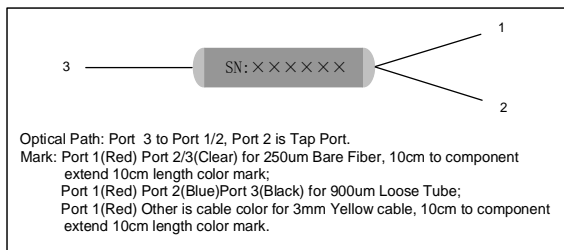
Specifications

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.

Package Dimensions



Ordering Information

SMC-①①-②-③③-④④④④-⑤⑤⑤⑤-⑥

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 on all Ports

- 1 - FC/UPC
- 2 - FC/APC
- 3 - SC/UPC
- 4 - SC/APC
- 5 - LC/UPC
- 6 - LC/APC
- 9 - MU/UPC
- N - None
- S - Specify

⑤⑤⑤⑤: 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