



High Power Single Mode Standard Coupler

Features

Low excess loss
Low PDL
High Power handling
High stability and reliability

Applications

Optical communication systems
Testing instruments

Specifications

Wavelength		980±10,1030±10,1060±10nm	1310,1480,1550±20nm	1940,2000±20nm
Parameter				
Max. IL(dB)	CR			
	50/50	3.6	3.5	3.7
	40/60	4.6/2.8	4.5/2.7	4.9/2.9
	30/70	5.9/2.2	5.8/2.0	6.0/2.2
	20/80	7.9/1.5	7.7/1.3	7.9/1.6
	10/90	11/0.9	10.85/0.75	11.2/0.95
	5/95	14.5/0.6	14/0.45	14.5/0.65
	3/97	16.5/0.5	16.35/0.35	17.0/0.55
	2/98	18.4/0.45	18.25/0.35	18.5/0.55
	1/99	21.8/0.4	21.5/0.3	22.0/0.5
Max. PDL(dB)	0.1/99.9	28~32/0.4	28~32/0.3	28~32/0.5
	CR≥30%	0.1	0.1	0.1
	30%>CR≥1%	0.15	0.15	0.15
	CR<1%	NA		
Min. Return Loss (dB)		50		
Min. Directivity (dB)		50		
Max. Power handling (W)		1, 5, 10, 20		
Operating temperature(℃)		-5~75		
Storage temperature (℃)		-40~85		
Fiber type		HI1060 Fiber, HI1060 Flex Fiber	SMF-28e Fiber	SMF-28e Fiber, SM1950 Fiber
Dimension:(mm)	Power handling 10W	Ø3×56		
	Power handling 20W	75×12×8		

*Above specifications are for device without connector.

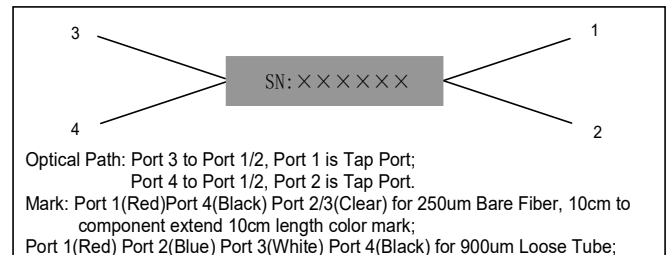
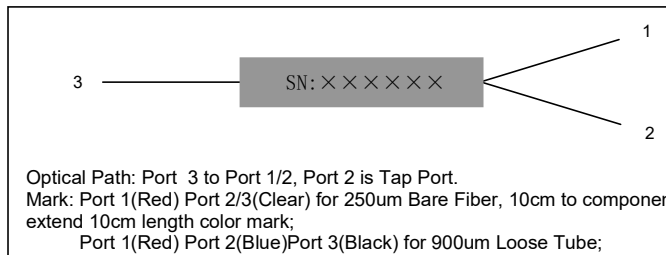
*For devices with connectors, IL should be 0.3dB(1310~1550) or 0.5dB(980~1060) or 0.3dB(1940~2000) higher, and RL will be 5dB lower,Max.

Power handling only 1W.

*Port Mark with Digital labeling.

* The material must be RoHS compliant.

Package Dimensions



Ordering Information

HPSMC-①①-②-③③-④④-⑤⑤⑤⑤-⑥⑥⑥⑥-⑦-⑧⑧-⑨⑨

①①: Wavelength

98 - 980nm

03 - 1030nm

06 - 1060nm

31 - 1310nm

55 - 1550nm

19- 1940nm

20 - 2000nm

SS - Specify

②: Port

1 - 1X2

2 - 2X2

③③: Coupling Ratio

0.1 - 0.1/99.9

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

④④:Max. Power handling (W)

01 - 1W

05 - 5W

10 - 10W

20 - 20W

S - Specify

⑤⑤⑤⑤: Connector Type

1B - FC/UPC

2B - FC/APC

3B - SC/UPC

4B - SC/APC

N - None

S - Specify

⑥⑥⑥⑥: 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)

⑦: Fiber Length

1 - 1.0m

S - Specify

⑧⑧: Fiber Type

1E - HI1060 Fiber

20 - HI1060 Flex Fiber

09 - SMF-28e Fiber

29 - SM1950 Fiber

⑨⑨: Package

16 - Ø3×56

27 - 75×12×8