

**Optizone 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**

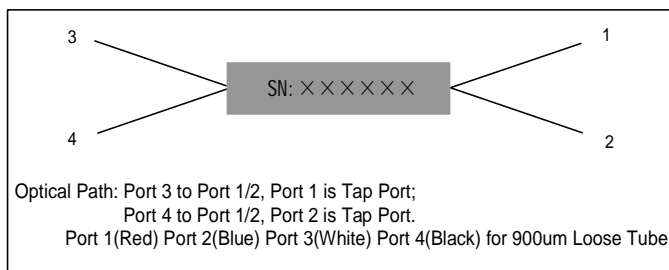
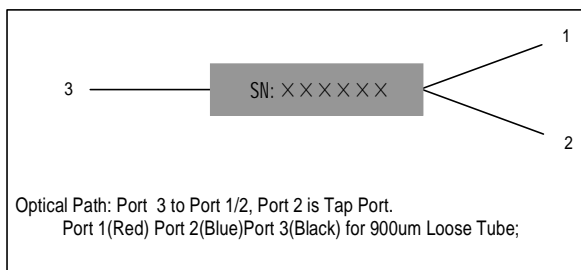
Parameter		Wavelength		
		980±10,1030±10,1060±10nm	1310,1480,1550±20nm	1940,2000±20nm
Max. IL(dB)	CR			
	50/50	3.6	3.5	3.7
	40/60	4.6/2.8	4.5/2.7	4.9/2.9
	30/70	5.9/2.2	5.8/2.0	6.0/2.2
	20/80	7.9/1.5	7.7/1.3	7.9/1.6
	10/90	11/0.9	10.85/0.75	11.2/0.95
	5/95	14.5/0.6	14/0.45	14.5/0.65
	3/97	16.5/0.5	16.35/0.35	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)			20	
Operating temperature(°C)			-5~75	
Storage temperature (°C)			-40~85	
Fiber type		HI1060 flex	SMF-28e	SMF-28e
Dimension:	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.

**Package Dimensions**



**Ordering Information**

**HSMC-①①-②③③-④④④④-⑤⑤⑤⑤-⑥-⑦-⑧**

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

④④④④: Connector Type

- 1 - FC/UPC
- 2 - FC/APC
- 3 - SC/UPC
- 4 - SC/APC
- N - None
- S - Specify

⑤⑤⑤⑤: Fiber Jacket

- B - 250um Fiber
- L - 900um Loose Tube
- S - Specify

⑥: Fiber Type

- 1 - HI1060 flex
- 2 - SMF-28e
- S - Specify

⑦: Fiber Length

- 1 - 1.0m
- S - Specify

⑧: Package

- 1- 75×12×8
- 2 - 3×56