

# 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	Ø3x56		
	Power handling 20W	75x12x8		

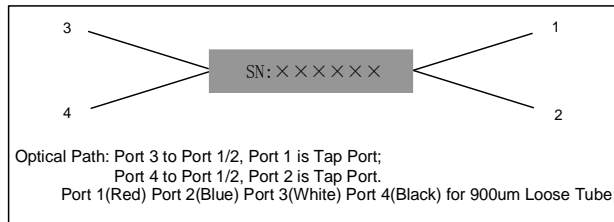
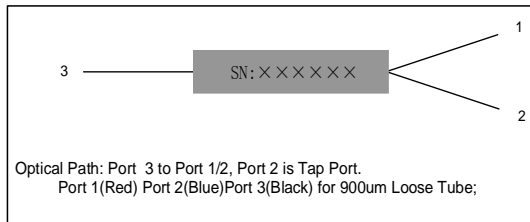
\*Above specifications are for device without connector.

\*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

### AHSMC-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 - 75x12x8  
 2 - 3x56