



# High Power PM Single Mode Standard Coupler

## Product Features

- Low Excess Loss
- High Extinction Ratio
- High Stability and Reliability

## Product Applications

- Optical Amplifier
- Power Monitoring
- Coherent Communication
- Fiber Gyroscope

## Specifications

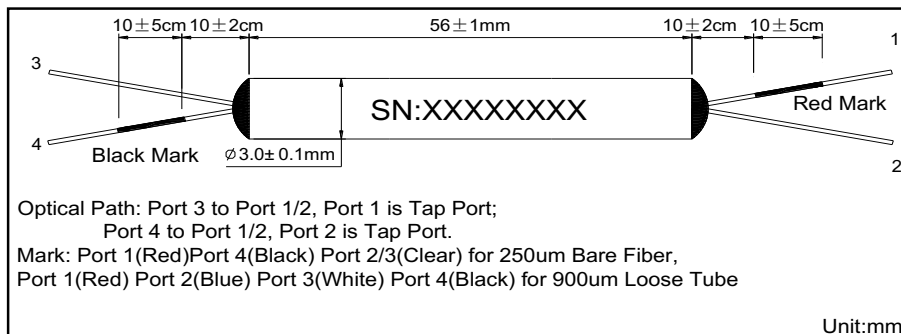
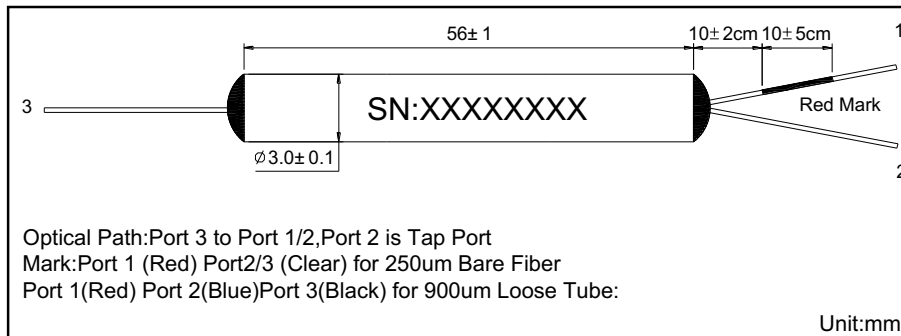
Parameters	Unit	Premium	A grade	Premium	A grade	
Center Wavelength	nm	980,1030,1064 or Specify		1310,1480,1550,1940,2000 or Specify		
Operating W.L.	nm	±20		±20		
Max. Splitting Ratio Tolerance (CR)	50/50	%	±5.0	±6.0	±5.0	±6.0
	40/60	%	±4.0	±4.8	±4.0	±4.8
	30/70	%	±3.0	±3.7	±3.0	±3.7
	20/80	%	±2.5	±3.0	±2.5	±3.0
	10/90	%	±2.2	±2.4	±2.2	±2.4
	5/95	%	±1.5	±1.7	±1.5	±1.7
	3/97	%	±1.1	±1.3	±1.1	±1.3
	2/98	%	±0.8	±1.0	±0.8	±1.0
Min. Polarization Extinction Ratio	CR>10%	dB	18	15	20	17
	10%≥CR>1%	dB	14	11	16	13
	CR≤1%	dB	NA	NA	NA	NA
Max. Excess Loss	dB	0,8	1.0	0.4	0.6	
Min. Return Loss	dB	50				
Max. Power Handling	W	1,3,5,10,20 or Specify				
Operating Temperature	℃	-5~70				
Storage Temperature	℃	-40~85				
Fiber Type	-	PM Fiber				
Package	Power Handling 5W	mm	∅3.0×56			
Dimensions	Power Handling 20W	mm	75×12×8			

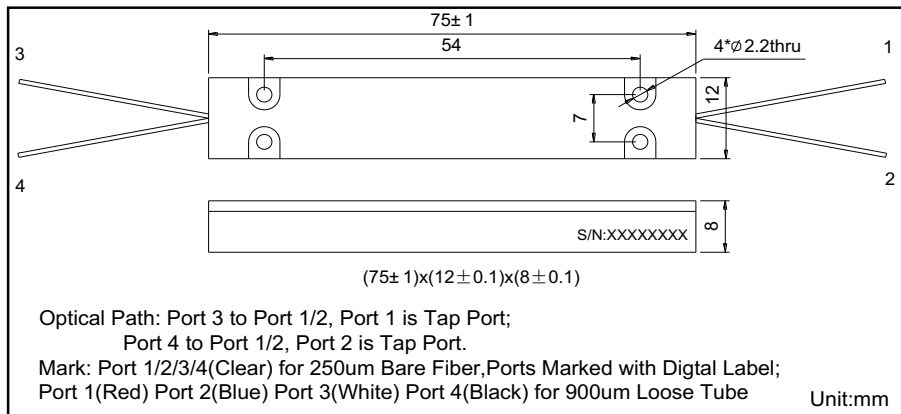
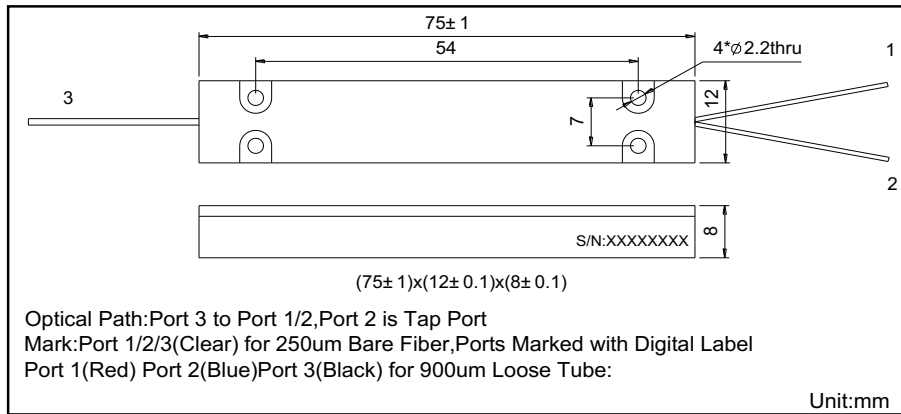
\*Above specifications are for device without connector.

\*For devices with connectors, IL will be 0.3dB (1310~2000) or 0.5dB (980~1064) higher, ER will be 2dB lower, RL will be 5dB lower and optical power is only 1W.

\*The PM fiber and the connector key are aligned to the slow axis.

## Package Dimensions





**Ordering Information**

**HPMSMC-①①-②-③③-④④-⑤⑤⑤⑤-⑥⑥⑥⑥-⑦-⑧**

①①: Wavelength  
 98 - 980nm  
 03 - 1030nm  
 06 - 1064nm  
 31 - 1310nm  
 55 - 1550nm  
 19 - 1940nm  
 20 - 2000nm  
 SS - Specify

②: Port  
 1 - 1X2  
 2 - 2X2

③③: Coupling Ratio  
 01 - 1/99  
 02 - 2/98  
 05 - 5/95  
 10 - 10/90  
 20 - 20/80  
 30 - 30/70  
 40 - 40/60  
 50 - 50/50  
 SS - Specify

④④: Handling Power  
 01 - 1W  
 03 - 3W  
 05 - 5W  
 10 - 10W  
 20 - 20W  
 SS - Specify

⑤⑤⑤⑤: Connector Type  
 1 - FC/UPC  
 2 - FC/APC  
 3 - SC/UPC  
 4 - SC/APC  
 N - None  
 S - Specify

⑥⑥⑥⑥: Fiber Jacket  
 B - 250um Bare Fiber  
 L - 900um Loose Tube  
 S - Specify

⑦: Fiber Length  
 1 - 1.0m  
 S - Specify

⑧: Package Size  
 1 - Ø3.0×56  
 2- 75×12×8  
 S - Specify