

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

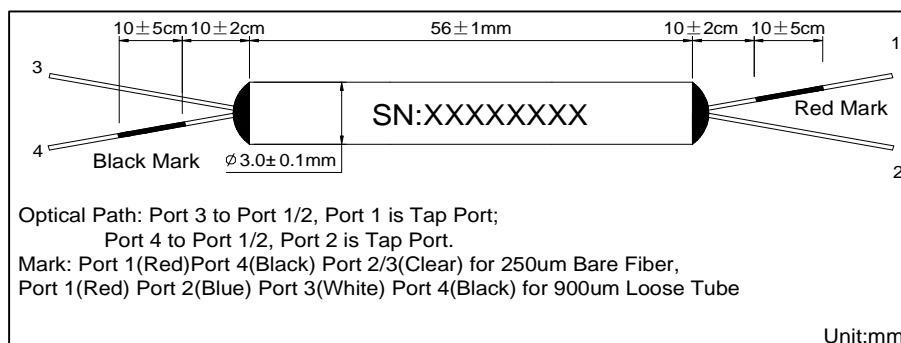
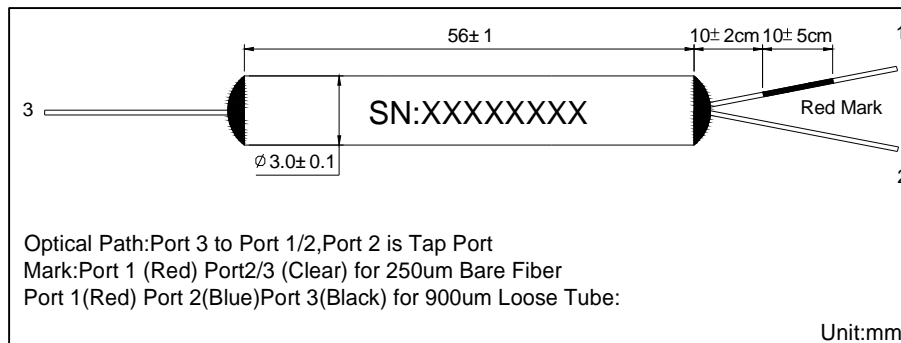
Parameters	Unit	Premium	A grade	Premium	A grade	
Center Wavelength	nm	980,1030,1064 or Specify		1310,1480,1550,1940,2000 or Specify		
Operating W.L.	nm	±20		±20		
Max. Splitting Ratio Tolerance (CR)	50/50	%	±5.0	±6.0	±5.0	±6.0
	40/60	%	±4.0	±4.8	±4.0	±4.8
	30/70	%	±3.0	±3.7	±3.0	±3.7
	20/80	%	±2.5	±3.0	±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	°C	-5~70				
Storage Temperature	°C	-40~85				
Fiber Type	-	PM Fiber				
Package Dimensions	Power Handling 5W	mm	Ø3.0×56			
	Power Handling 20W	mm	75×12×8			

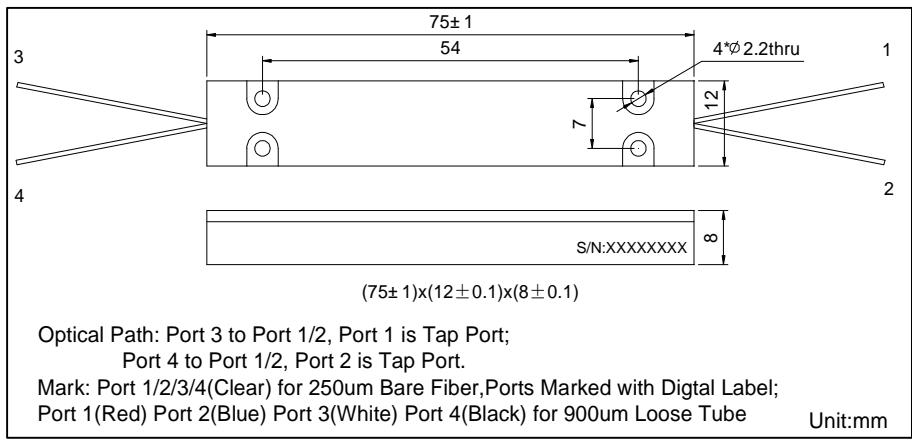
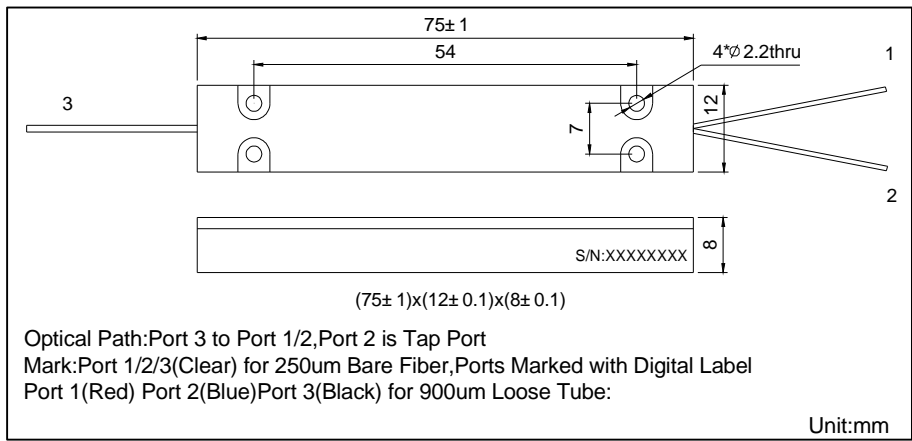
*Above specifications are for device without connector.

*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 | 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 | ⑤⑤⑤⑤: Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify | ⑦: Fiber Length
1 - 1.0m
S - Specify |
| ②: Port
1 - 1X2
2 - 2X2 | ④④: Handling Power
01 - 1W
03 - 3W
05 - 5W
10 - 10W
20 - 20W
SS - Specify | ⑥⑥⑥⑥: Fiber Jacket
B - 250um Bare Fiber
L - 900um Loose Tube
S - Specify | ⑧: Package Size
1 - Ø3.0×56
2- 75×12×8
S - Specify |