

Optizone 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			

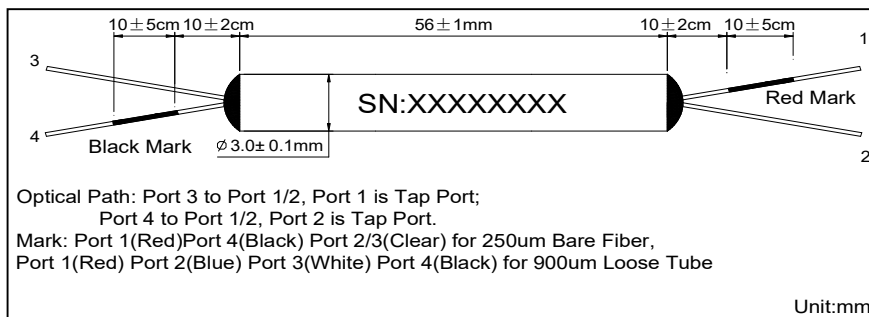
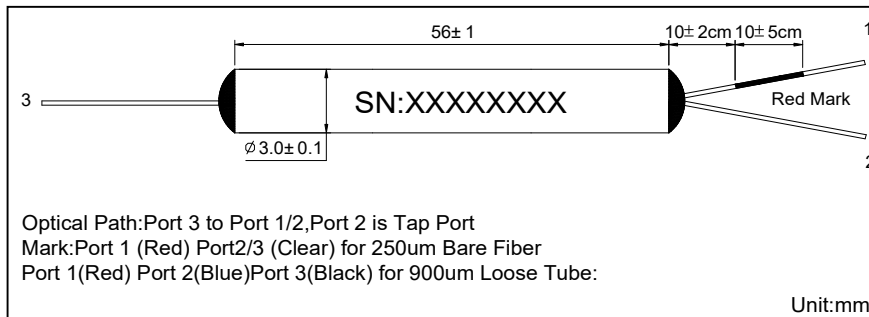
*Above specifications are for device without connector.

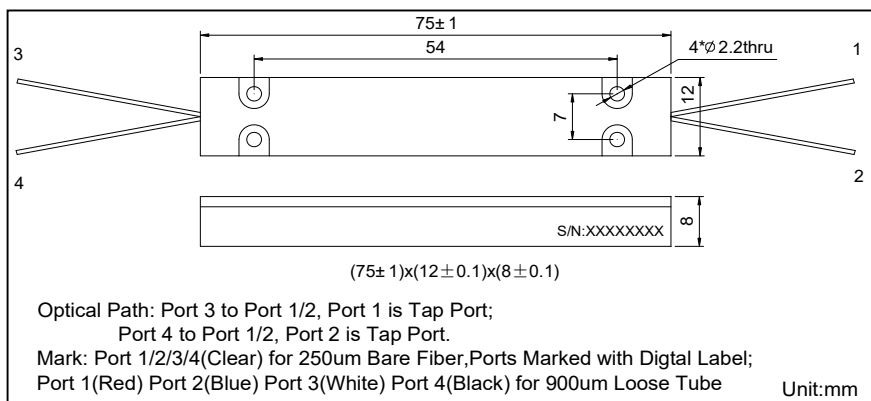
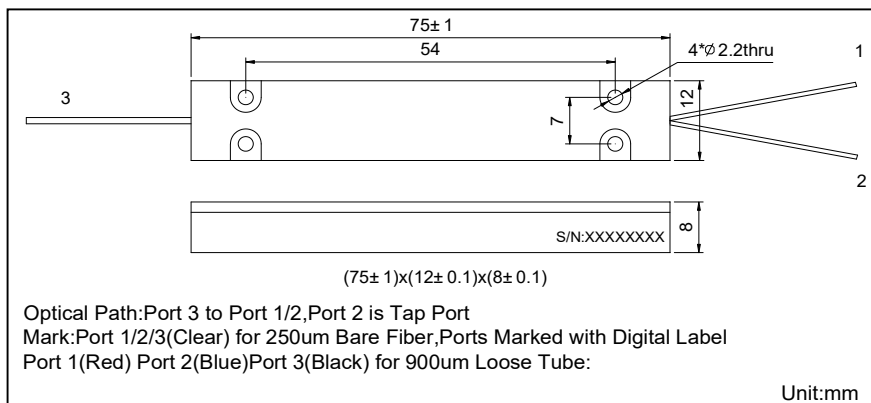
*For devices with connectors, IL will be 0.3dB (1310~2000) or 0.5dB (980~1064) higher, ER will be 2dB lower, RL will be 5dB lower and optical power is only 1W.

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

* The material must be RoHS compliant.

Package Dimensions





Ordering Information

HPMSMC-①①-②-③③-④④-⑤⑤⑤⑤-⑥⑥⑥⑥-⑦-⑧⑧-⑨⑨

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

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

⑥⑥⑥⑥: Fiber Jacket

- B - 250um Bare Fiber

⑦: Fiber Length

- 1 - 1.0m
- S - Specify

⑧⑧: Fiber Type

- 01 - PM 980 Fiber
- 02 - PM 980 Fiber(长飞)
- 03 - Nufern PM980-XP fiber
- 04 - PM1550 Fiber
- 05 - PM 1550 Fiber(长飞)
- 06 - Nufern PM1550-XP Fiber
- 30 - PM1950 Fiber

⑨⑨: Package Size

- 16 - Ø3.0×56
- 27 - 75×12×8
- S - Specify