



# 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

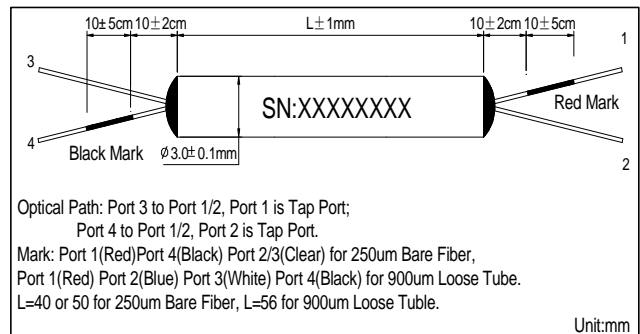
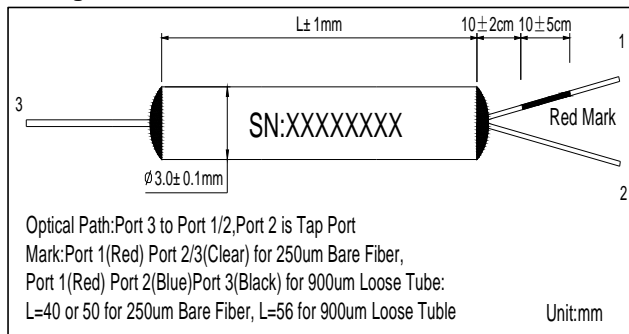
Parameters	Unit	Premium	A grade	Premium	A grade	
Center Wavelength	nm	980,1030,1064 or Specify		1310,1480,1550,1940,2000 or Specify		
Operating W.L.	nm	±20		±20		
Max. Splitting Ratio Tolerance (CR)	50/50	%	±5.0	±6.0	±5.0	±6.0
	40/60	%	±4.0	±4.8	±4.0	±4.8
	30/70	%	±3.0	±3.7	±3.0	±3.7
	20/80	%	±2.5	±3.0	±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	mW	500				
Operating Temperature	°C	-5~70				
Storage Temperature	°C	-40~85				
Fiber Type	-	PM Fiber				
Package Dimensions	250um Bare Fiber	mm	Ø3.0×50 or Ø3.0×40			
	900um Loose Tube	mm	Ø3.0×56			

\*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 and RL will be 5dB lower.

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

## Package Dimensions



## Ordering Information

**PMSMC**-①①-②-③③-④④④④-⑤⑤⑤⑤-⑥-⑦

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

④④④④: Connector Type

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

⑤⑤⑤⑤: Fiber Jacket

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

⑥: Fiber Length

- 1 - 1.0m
- S - Specify

⑦: Package Size

- 1 - Ø3.0×56
- 2 - Ø3.0×50
- 3 - Ø3.0×40
- S - Specify