

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

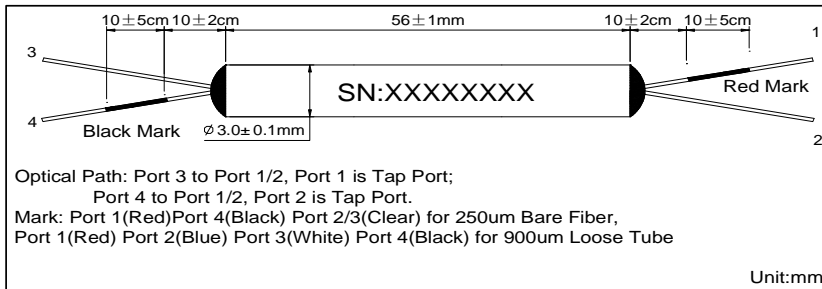
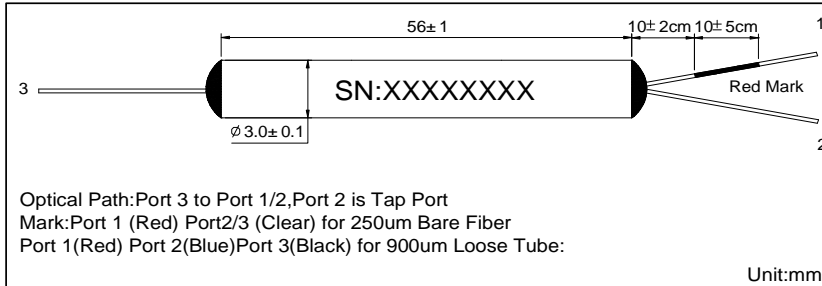
Parameters		Unit	Premium	A grade	Premium	A grade
Center Wavelength		nm	980,1030,1064 or Specify		1310,1480,1550,1940,2000 or Specify	
Operating W.L.		nm	±20		±20	
Max. Splitting Ratio Tolerance (CR)	50/50	%	±5.0	±6.0	±5.0	±6.0
	40/60	%	±4.0	±4.8	±4.0	±4.8
	30/70	%	±3.0	±3.7	±3.0	±3.7
	20/80	%	±2.5	±3.0	±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	Ø3.0x56			
	Power Handling 20W	mm	75x12x8			

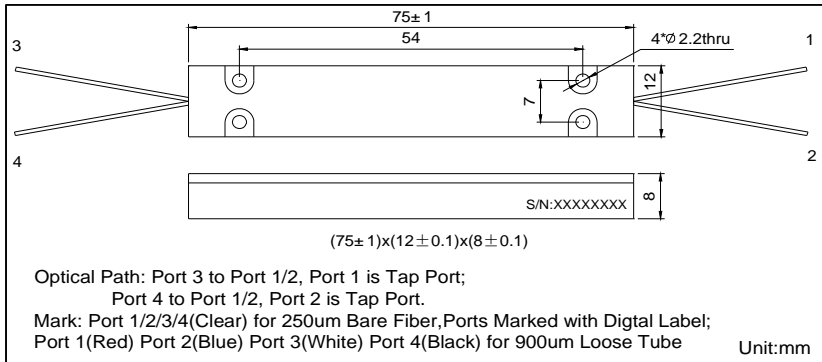
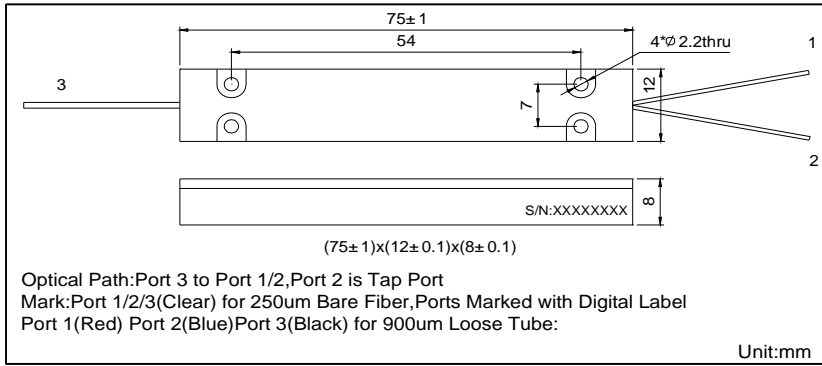
*Above specifications are for device without connector.

*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

AHPMSMC-①①-②③③-④④-⑤⑤⑤⑤⑤-⑥⑥⑥⑥⑥-⑦-⑧

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

⑤⑤⑤⑤⑤: Connector Type

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

⑥⑥⑥⑥⑥: Fiber Jacket

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

⑦: Fiber Length

1 - 1.0m
 S - Specify

⑧: Package Size

1 - Ø3.0x56
 2- 75x12x8
 S - Specify