

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

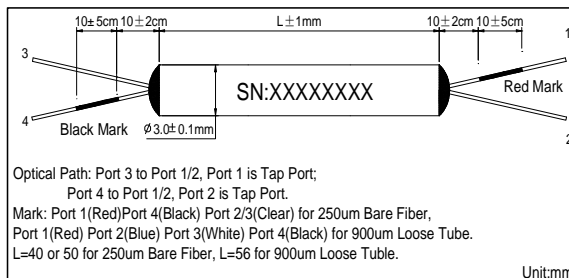
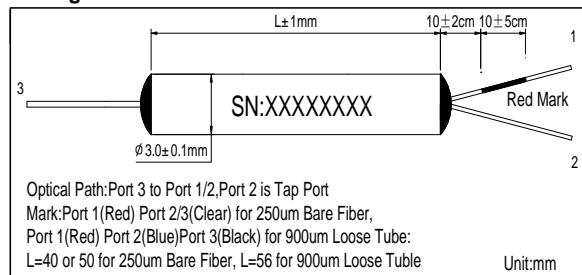
Parameters		Unit	Premium	A grade	Premium	A grade
Center Wavelength		nm	980,1030,1064 or Specify		1310,1480,1550,1940,2000 or Specify	
Operating W.L.		nm	±20		±20	
Max. Splitting Ratio Tolerance (CR)	50/50	%	±5.0	±6.0	±5.0	±6.0
	40/60	%	±4.0	±4.8	±4.0	±4.8
	30/70	%	±3.0	±3.7	±3.0	±3.7
	20/80	%	±2.5	±3.0	±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	250um Bare Fiber	mm	Ø3.0x50 or Ø3.0x40			
Dimensions	900um Loose Tube	mm	Ø3.0x56			

*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

APMSMC-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

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 - Ø3.0x56

2 - Ø3.0x50

3 - Ø3.0x40

S - Specify

②: Port

1 - 1X2

2 - 2X2