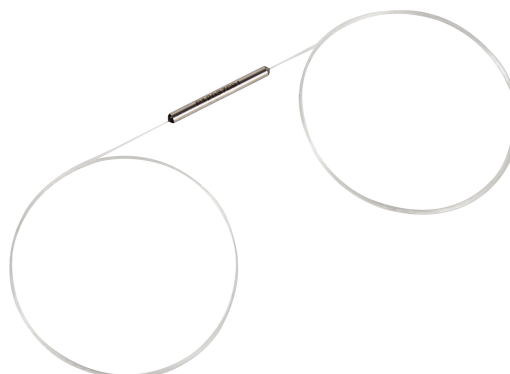


## Polarization Maintaining Coupler

### Applications:

- ◇ Optical communication systems
- ◇ Fiber sensors
- ◇ Laboratory R&D
- ◇ Testing instruments



### Specifications

Item		Unit	Parameter					
Center Wavelength		nm	780, 840		980, 1064		1310, 1480, 1550	
Bandwidth		nm	±15, ±40					
Max. Insertion Loss @ Central wavelength	CR	dB	P	A	P	A	P	A
	50/50		≤3.8	≤4.0	≤3.6	≤3.8	≤3.4	≤3.6
	30/70		≤6.3/2.2	≤6.5/2.4	≤5.75/2.0	≤6.1/2.1	≤5.6/1.95	≤5.75/2.1
	20/80		≤8.2/1.7	≤8.5/1.9	≤8.0/1.5	≤8.2/1.7	≤7.6/1.4	≤8.0/1.5
	10/90		≤11.8/1.4	≤12.0/1.6	≤11.6/1.2	≤11.8/1.4	≤11/0.85	≤11.6/1.0
	5/95		≤15/1.0	≤15.2/1.2	≤14.8/0.8	≤15/1.0	≤14.2/0.6	≤14.8/0.8
	3/97		≤17.5/0.9	≤17.7/1.0	≤16.6/0.4	≤17.2/0.6	≤16.2/0.4	≤16.7/0.5
	2/98		≤19.0/0.8	≤19.2/1.0	≤18.4/0.4	≤18.9/0.5	≤18.0/0.4	≤18.5/0.5
1/99	≤22.5/0.7	≤22.8/0.9	≤22/0.4	≤22.5/0.6	≤21.5/0.3	≤22/0.4		
ER	CR>5%	dB	20	18	20	18	20	18
	5%≥CR>1%		18	16	18	16	18	16
	CR≤1%		Out of concern					
Package 1 (Φ×L)		mm	3*54					
Return loss		dB	≥50					
Directivity		dB	≥50					
Fiber type			Panda PM fiber					
Power handling		mW	≤500					
Operating Temperature Environment		℃	-5-+70					
Storage Temperature		℃	-40-+85					

\* IL is 0.3dB(1310~1550) or 0.5dB(980~1060) or 0.8dB(780~850) higher for devices with connectors.

\*\* RL is 5 dB lower, ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.



### Ordering Information

PMC	X	XXX	XXXX	XX/XX	X	X	XXX	XX/XX
	Grade	Port number	Operating Wavelength	Coupling Ratio	Pigtail Type	Encapsulation steel tube	Fiber Length	Connector
	P=Perfect	1×2	780	01/99	0=250um	3.0×45	1m	FC/UPC
	A=Grade A	2×2	980	02/98	1=900um	3.0×54	1.5m	FC/APC
	X=customized		1064	03/97	4=others		2m	SC/UPC
			...	...			...	...