


## 1x2(2x2) Fused PM Fiber Standard Coupler

<b>Features</b>	
Low Excess loss & Low Insertion Loss High Extinction Ratio High stability and reliability	
<b>Application</b>	
Optical Amplifier, Power Monitoring Coherent Communication Fiber Gyroscope Fiber Sensor	

**Specification**

Parameter		P grade	A grade	P grade	A grade	P grade	A grade
Central Wavelength (nm)		1310, 1550		980, 1064		780, 850	
Bandwidth (nm)		+/-15					
Excess Loss (dB)		≤0.3	≤0.4	≤0.4	≤0.6	≤0.6	≤0.8
ER (dB)		≥20	≥18	≥20	≥18	≥20	≥18
Directivity (dB)		≥55					
Insertion Loss(dB)	50/50	≤3.4	≤3.6	≤3.6	≤3.8	≤3.8	≤4.0
	20/80	≤7.6/1.4	≤8.0/1.5	≤8.0/1.5	≤8.2/1.7	≤8.2/1.7	≤8.5/1.9
	10/90	≤11.2/0.85	≤11.6/1.0	≤11.6/1.2	≤11.8/1.4	≤11.8/1.4	≤12.0/1.6
	5/95	≤14.2/0.6	≤14.8/0.8	≤14.8/0.8	≤15.0/1.0	≤15.0/1.0	≤15.2/1.2
	1/99	≤21.5/0.3	≤22/0.4	≤22/0.4	≤22.5/0.6	≤22.5/0.6	≤22.8/0.8
Operating Temperature(°C)		-40 ~ +85					

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis.

**Package Information**

Configuration	1x2 or 2x2		
Fiber length	0.8m, others on request		
Fiber Type	Panda fiber		
Pigtail type	250μm bare fiber	900μm loose tube	900μm/2mm/3mm loose tube
Dimensions(mm)	φ3.0×54	φ3.0×54	90×14×8.5

**Ordering Information**

CP	Type	Grade	Port Type	Wavelength (nm)	Coupling Ratio	Pigtail Type	Fiber Type	Length	Connector	Package
	PS=PM fused coupler	P A	1x2 2x2	780 850 980 1064 1310 1550	1/99 2/98 3/97 ..... 50/50	250=250um bare fiber 900=900um loose tube 2000=2mm loose tube 3000=3mm loose tube	5=Panda fiber	0.8= 0.8m X:other	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC LC=LC/UPC XX=Other	3x54 90x14 x8.5 ....