


## 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	≤4.0
	20/80	≤7.6/1.4	≤8.0/1.5	≤8.0/1.5	≤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	≤12.0/1.6
	5/95	≤14.2/0.6	≤14.8/0.8	≤14.8/0.8	≤15.0/1.0	≤15.2/1.2
	1/99	≤21.5/0.3	≤22/0.4	≤22/0.4	≤22.5/0.6	≤22.8/0.8
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	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 90x14x8.5 .....