

1x2(2x2)Fused PM Fiber Standard Coupler



1X2/2X2 standard polarization maintaining fiber coupler has low additional loss, high extinction ratio, high carrying power, can provide fast or slow axis operation, high reliability, suitable for fiber optic gyroscope, polarization maintaining fiber amplifier and other applications



Features

- ❖ Low Excess loss
- ❖ High Power Handling
- ❖ Available for Slow Only or Fast Axis App
- ❖ High stability and reliability

Application

- ❖ Optical Amplifier
- ❖ Power Monitoring
- ❖ Coherent Communication
- ❖ Fiber Gyroscope

Performance Specifications

Parameters	Grade P	Grade A	Grade P	Grade A	Grade P	Grade A
Operating Wavelength(nm)	1310 ,1550		980,1030,1040,1060		780,850	
Operating Bandwidth(nm)	+/-15					
Typcal Excess Loss(dB)	≤0.3	≤0.4	≤0.4	≤0.6	≤0.6	≤0.8
Polarization Extinction Ratio	≥20	≥18	≥20	≥18	≥20	≥18
Return Loss(dB)	≥50					
Directivity(dB)	≥50					
Max Optical Power(mW)	≤500					
Operating Temperature(℃)	-5~+75					
Storage Temperature(℃)	-40~+85					
Splitting Ratio Tolerance						
Splitting Ratio	Insertion Loss(dB)					
50/50	≤3.8					
30/70	≤6.1/2.3					
20/80	≤8.1/1.7					
10/90	≤11.5/1.2					
5/95	≤14.5/0.9					
3/97	≤17.1/0.6					
2/98	≤18.5/0.5					
1/99	≤22.0/0.45					
0.1/99.9	28-32/≤0.4					

*Notes: 1.Insertion Loss tested without connector.

Package Information

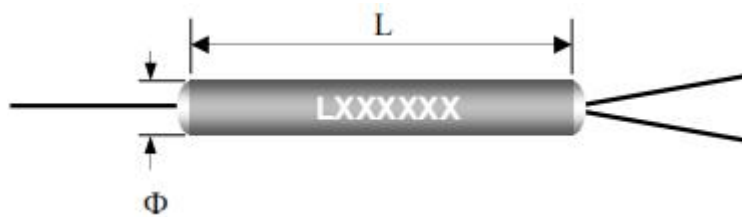
Configuration	1x2 or 2x2		
Fiber Length	1m , or others on request		
Fiber Type	Panda PM fiber		
Pigtail Type	250um bare fiber	900um loose tube	2.0/3.0mm loose tube
Dimensinons(mm)	Ø3xL32	Ø3xL54	L90xW20xH10

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Dimensions(Unit:mm)



Order information:

FBT (FBT Coupler) PN: FBT-XXXXXXXX-XX (FBT+8 Code+2 Serial Number)

FBT	X		X		X		X		X		XX		XX		
	Channel		Center Wavelength		Package Type		Fiber Jacket		Fiber Length		Connector		Splitting Ratio		
	1	1×1	1	780	0	Non Package	0	250um Bare Fiber	0	0.5m	0	none	01	1/99	SN
	2	1×2	2	850	1	φ 3X54	1	0.9mm Loose Tube	1	1.0m	1	SC/UPC	02	2/98	
	3	1×3	3	980	2	φ 3X60	2	2.0mm Loose Tube	2	1.5m	2	SC/APC	03	3/97	
	4	1×4	4	1310	3	φ 3X40	3	3.0mm Loose Tube	3	2.0m	3	FC/UPC	...	...	
	5	2×2	5	1490	4	φ 3X45	4	0.9mm Tight Tube	4	2.5m	4	FC/APC	48	48/52	
	6	3×3	6	1550	5	φ 4X64	5	2.0mm Tight Tube	5	3.0m	5	LC/UPC	49	49/51	
	7	4×4	7	1310&1490	6	φ 4X75	6	3.0mm Tight Tube	6	3.5m	6	LC/APC	50	50/50	
	S	Special	8	1310&1550	7	90×20×10 ABS	M	MM Fiber	7	0.7m	7	ST/UPC	0S	Special	
			9	1490&1550	8	100×80×10 ABS	P	PM Fiber	8	1.2m	8	E2000			
			0	1310&1490&1550			S	Special	9	2.7m	9	MPO			
		S	Special					S	Special	S	Special				