


1x2(2x2) Polarization Insensitive Fused PM Fiber Standard Coupler

Features	
Both axis working Low Excess loss & Low Insertion Loss High Extinction Ratio High stability and reliability	
Application	
Optical Amplifier, Power Monitoring Coherent Communication Fiber Gyroscope Fiber Sensor	

Specification

Parameter		P grade	A grade	P grade	A grade
Central Wavelength (nm)		1310, 1550		980, 1064	
Bandwidth (nm)		+/-15			
Excess Loss (dB)		≤0.6	≤0.8	≤0.6	≤0.8
Extinction Ratio (dB)		≥20	≥18	≥20	≥18
Directivity (dB)		≥55			
Insertion Loss(dB)	50/50	≤3.6	≤3.8	≤3.8	≤4.0
	20/80	≤7.8/1.6	≤8.2/1.7	≤8.2/1.7	≤8.4/1.9
	10/90	≤11.4/0.86	≤11.8/1.0	≤11.8/1.4	≤12.0 /1.6
	5/95	≤14.4/0.8	≤14.9/0.9	≤15.0 /0.9	≤15.2/1.0
	1/99	≤21.7/0.4	≤22.2/0.6	≤22.2/0.7	≤22.5/0.8
Operating Temperature()		-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
	PIPS=Polarization Insensitive PM fused coupler	P A	1x2 2x2	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 ST=ST/UPC XX=Other	3x54 90x14x8.5 5