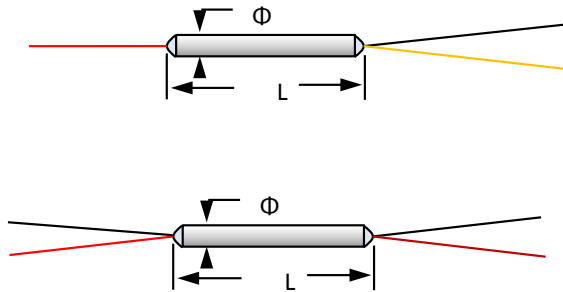


## 1×2, 2×2 Visible Wavelength Fused PM Coupler

The 1×2, 2×2 Visible Wavelength Fused Polarization Maintaining (PM) Coupler is built by using fused biconical taper (FBT) technology. It can be used to split the input signal at various ratios while preserving the polarization with high extinction ratio.



### Features

- Low Excess Loss
- High Polarization Extinction Ratio (PER)
- High Stability and Reliability

### Applications

- Fiber Amplifier
- Fiber Sensor
- Power Monitoring
- Fiber Laser
- Lab & Research

### Performance Specification

Parameter	Value	Unit
Configuration	1X2, 2X2	
Center Wavelength	488, 532, 635 or customized	nm
Bandwidth	±2	nm
Typ. Excess Loss	0.8	dB
Max. Excess Loss	1.2	dB
	for CR>10% Port	18
Min. PER	for 10%≥CR>5% Port	16
	for CR≤5% Port	15
Max. Coupling Ratio Tolerance	99/1±0.4%, 90/10±2.5%, 80/20±2.9%, 70/30±3.5%	
Min. Directivity	55	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	100	mW
Max. Tensile Load	5	N
Fiber Type	PM Panda Fiber on Input & Output Port	
Operating Temperature	-5 to +75	°C
Storage Temperature	-40 to +85	°C
Package Dimension	Φ3.0×L60 for bare fiber, and Φ3.0×L76 for 900um loose tube	mm

### Note

- \* Test at center wavelength without connector. For each connector added, EL will be max. 1.0dB higher, and PER will be 2dB lower.
- \* Available for fast axis operating or slow axis operating. If you need both axis operating please contact us.
- \* Operating on both fast and slow axis. Connector key is aligned to slow axis.

### Ordering Information

#### FPMC-AAA-BB-CC-DD-E-FF-GG-H

AAA	BB	CC	DD	E	FF	GG	H
Wavelength	Port	Coupling Ratio	Fiber Type on Tap Port	Fiber Jacket	Fiber Length	Connector	Working Axis
488 - 488nm	12 - 1X2	01 - 01/99	PM - PM Panda Fiber	B - 250um Bare	05 - 0.5m	NE - None	B - Both Axis
532 - 532nm	22 - 2X2	02 - 02/98	SS - Specify	Fiber	08 - 0.8m	FA - FC/APC	Operating
635 - 635nm		04 - 04/96		L - 900um Loose	10 - 1.0m	FP - FC/PC	
SSS - Specify		05 - 05/95		Tube	15 - 1.5m	SA - SC/APC	
		10 - 10/90			SS - Specify	SP - SC/PC	
		20 - 20/80				LA - LC/APC	
		30 - 30/70				LP - LC/PC	
		50 - 50/50				SS - Specify	
		SS - Specify					