

## 820nm Polarization Maintaining Fiber Patchcord

820nm Polarization Maintaining (PM) Fiber Patchcord is built with PM Panda fiber, it's used for polarized light transmission and keep the light polarization maintaining, the termination connector can be FC, SC, LC. It features low insertion loss and high extinction ratio.

### Application:

Fiber Optic Gyroscope  
Fiber Optic Sensor  
Fiber Amplifier System  
Testing System

### Features:

High Extinction Ratio  
High Return Loss  
Low Insertion Loss  
High Reliability



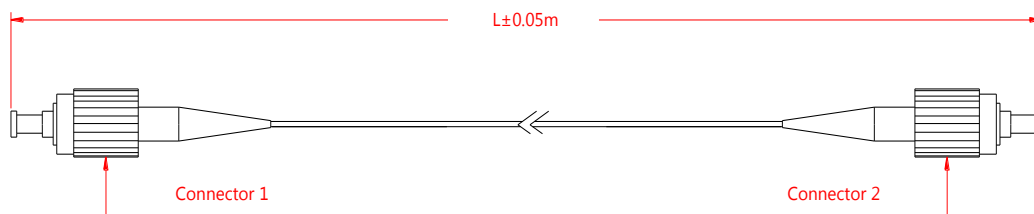
### Optical Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	820	nm
Typ. Insertion Loss	IL	0.5	dB
Max. Insertion Loss	IL	0.9	dB
Min. Extinction Loss	ER	23	dB
Min. Return Loss	RL	50 for UPC, 60 for APC	dB
Fiber Type		PM Panda Fiber	-
Connector Key Alignment		$\pm 3^\circ$	-
Tensile Load		5	N
Max. Optical Power	P	300	mW
Operating Temperature	T	-5~70	°C
Storage Temperature	T	-40~85	°C

Notice: Above specifications are tested at center wavelength in room temperature @23°C.

Slow axis is default aligned to the connector key.

### Drawing:



### Ordering Information (Part Number):

PMFP- <b>WWW</b> - <b>J</b> - <b>LL</b> - <b>CC</b> - <b>CC</b>				
<b>WWW</b>	<b>J</b>	<b>LL</b>	<b>CC</b>	<b>CC</b>
Wavelength	Fiber Jacket	Fiber Length	Connector 1	Connector 2
800 - 800nm	9 - 900um Loose Tube	05 - 0.5m	FA - FC/APC	FA - FC/APC
808 - 808nm	2 - 2.0mm Loose Tube	10 - 1.0m	FU - FC/UPC	FU - FC/UPC
810 - 810nm	3 - 3.0mm Loose Tube	15 - 1.5m	SA - SC/APC	SA - SC/APC
820 - 820nm		20 - 2.0m	SU - SC/UPC	SU - SC/UPC
830 - 830nm		30 - 3.0m	LA - LC/APC	LA - LC/APC
850 - 850nm		SS - Specify	LU - LC/UPC	LU - LC/UPC