

1550nm PM 80um Cladding Fiber Patchcord

1550nm Polarization Maintaining (PM) 80um Cladding Fiber Patchcord is built with PM Panda fiber, it's used for polarized light transmission and keep the light polarization maintaining, the connector ferrule is special customized for 80um clad, 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



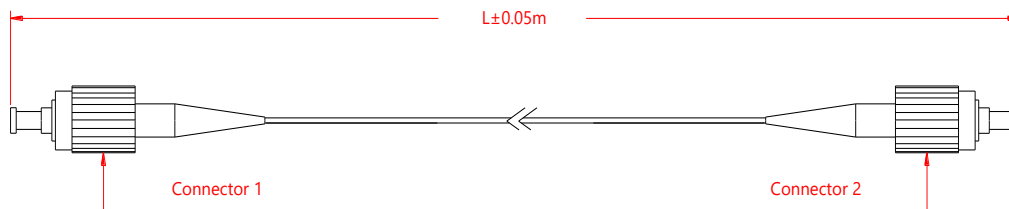
Optical Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1550	nm
Typ. Insertion Loss	IL	0.3	dB
Max. Insertion Loss	IL	0.5	dB
Min. Extinction Loss	ER	22	dB
Min. Return Loss	RL	50 for UPC, 60 for APC	dB
Fiber Type		PM 80um Cladding Panda Fiber	-
Connector Key Alignment		$\pm 3^\circ$	-
Tensile Load		5	N
Max. Optical Power	P	300	mW
Operating Temperature	T	-5~70	$^\circ\text{C}$
Storage Temperature	T	-40~85	$^\circ\text{C}$

Notice: Above specifications are tested at center wavelength in room temperature @23 $^\circ\text{C}$.

Slow axis is default aligned to the connector key.

Drawing:



Ordering Information (Part Number):

PMRFP- WWW - J - LL - CC - CC				
WWW	J	LL	CC	CC
Wavelength	Fiber Jacket	Fiber Length	Connector 1	Connector 2
1310 - 1310nm	B - 165um Bare Fiber	05 - 0.5m	FA - FC/APC	FA - FC/APC
1550 - 1550nm	9 - 0.9mm Loose Tube	10 - 1.0m	FU - FC/UPC	FU - FC/UPC
	2 - 2.0mm Loose Tube	15 - 1.5m	SA - SC/APC	SA - SC/APC
	3 - 3.0mm Loose Tube	20 - 2.0m	SU - SC/UPC	SU - SC/UPC
		30 - 3.0m	LA - LC/APC	LA - LC/APC
		SS - Specify	LU - LC/UPC	LU - LC/UPC