

1550nm High Power PM Fiber Patchcord

1550nm High Power 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. The Handling Power can be up to 10W CW upon request.

Application:

Fiber Optic Gyroscope
Fiber Optic Sensor
Fiber Amplifier System
Testing System

Features:

High Power
High Extinction Ratio
Low Insertion Loss
High Reliability



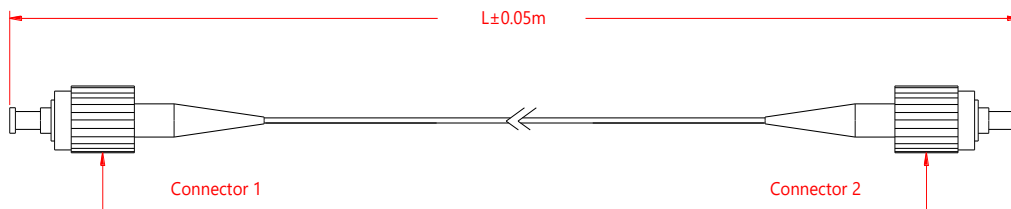
Optical Specification:

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	20	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	1, 2, 3, 5, 10 or customized	W
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):

HPMFP- WWW - HH - J - LL - CC - CC					
WWW	HH	J	LL	CC	CC
Wavelength	Handling Power	Fiber Jacket	Fiber Length	Connector 1	Connector 2
1310 - 1310nm	01 - 1W	9 - 900um Loose Tube	05 - 0.5m	FA - FC/APC	FA - FC/APC
1480 - 1480nm	02 - 2W	2 - 2.0mm Loose Tube	10 - 1.0m	FU - FC/UPC	FU - FC/UPC
1550 - 1550nm	03 - 3W	3 - 3.0mm Loose Tube	15 - 1.5m	SA - SC/APC	SA - SC/APC
1625 - 1625nm	05 - 5W		20 - 2.0m	SU - SC/UPC	SU - SC/UPC
1650 - 1650nm	10 - 10W		30 - 3.0m	LA - LC/APC	LA - LC/APC
	SS - Specify		SS - Specify	LU - LC/UPC	LU - LC/UPC