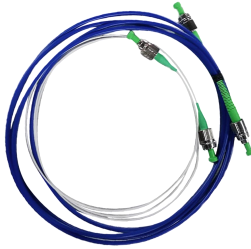


PMJ-D Series Mid Infrared Polarization Maintaining Fiber Patchcords



Product Description:

Connet PMJ-D series mid-infrared polarization maintaining fiber patchcords are specially designed for mid-infrared wavelength application, ranging from 1900nm to 2200nm. The typical working wavelength is 1908nm, 1940nm, 1950nm and 2050nm.

Connet PMJ-D series mid-infrared polarization maintaining fiber patchcords adopt PANDA type polarization maintaining fiber and the slow Axis alignment, along with high-precision FC fiber connectors and ceramic ferrules for high quality.

Connet uses each of the most demanding processes to carefully craft each polarization-maintaining fiber patchcords to ensure high return loss and high polarization extinction ratio(PER), concentricity deviation, control of shaft angle deviation and strict reliability experiments make these polarization-maintaining fiber patchcords meet the industry's highest quality standards.

Connet PMJ-D series mid-infrared polarization maintaining fiber patchcords use Narrow Key (2.0mm) FC fiber optic connectors with multiple connection options, including FC / UPC, FC / APC, and hybrid FC / UPC to FC / APC patchcords.

Applications:

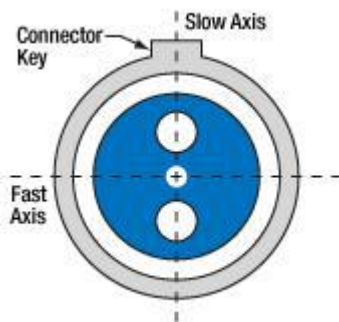
- Laser to PMF coupling
- Fiber Optic sensing
- Coherent communication
- Component pigtailed
- Other scientific research

Features:

- Narrow key FC connector
- High PER
- High return loss
- Low insertion loss
- PANDA PMF

Specifications:

Parameter	Unit	Specification		
		Min	Typ.	Max
Part no.		PMJ-D-1950		
Fiber type		PM1950		
Operating wavelength	nm	1850-2200		
Core diameter	um	7.0		
MFD	um	8.0 @ 1950 nm		
Core NA	NA	0.20		
Cut-off wavelength	nm	1720 ± 80		
Beat length	mm	5.2 @ 1950 nm		
Connector type		FC/UPC, FC/APC		
Connector key	mm	Narrow key 2.0±0.02		
Key alignment type		Narrow key aligned to slow axis		
Return loss(FC/UPC)	dB	55	-	-
Return loss(FC/APC)	dB	65	-	-
Insertion loss	dB	-	-	0.5
Polarization extinction ratio (PER)	dB	25	-	-
Jacket	mm	0.9, 2.0, 3.0		
Fiber length	m	1, 2, 3, 5, 10		
Tolerance	cm	1~10		
Operating temperature	°C	-20	-	+70
Storage temperature	°C	-40	-	+85



Ordering information:

- PMJ-D-1950-FA/FA-09-050: PMJ-D series 1950nm polarization maintaining fiber patchcords ;5m length ,0.9mm jacket, FC/APC-FC/APC
- PMJ-D-2000-FA/FA-09-050: PMJ-D series 2000nm polarization maintaining fiber patchcords ;5m length ,0.9mm jacket, FC/APC-FC/APC