

PMJ-LMA Series Polarization Maintaining Fiber Patchcords



Product Description:

Connet PMJ-LMA series polarization maintaining fiber patchcords adopt lager mode area (LMA) fiber, and specially designed for high power fiber laser and amplifier. Connet develops a wide range of lager mode area fiber patchcords in the 1 μ m, 1.5 μ m and 2 μ m bands for various applications.

Connet PMJ-LMA series polarization maintaining fiber patchcords adopt PANDA type lager mode area 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-LMA series 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:

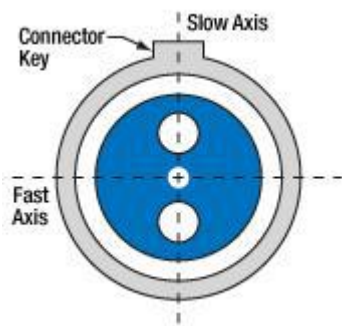
- Fiber laser
- Linear polarized fiber amplifier
- Coherent LIDAR
- Component pigtailed
- Other scientific research

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-LMA		
Operating wavelength	nm	1.0um band	1.5um band	2.0um band
Fiber type		PLMA-GDF-10/125 PLMA-GDF-15/130 PLMA-GDF-20/400 PLMA-GDF-25/250 PLMA-GDF-30/250	PM-GDF-1550 PLMA-GDF-6/125 PLMA-GDF-12/130 PLMA-GDF-25/300	PLMA-GDF-10/130-2000 PLMA-GDF-25P/400-2000
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	>18		
Jacket	mm	0.9, 2.0, 3.0		
Fiber length	m	0.5, 1, 2, 3, 5		
Tolerance	cm	1~10		
Operating temperature	°C	-20~+70		
Storage temperature	°C	-40~+85		



Ordering information:

- PMJ-LMA-w-a/b-NA-L-J-FA/FU
 - w: Operating wavelength
 - a/b: Fiber core/cladding diameter
 - NA: Fiber core NA
 - L: Fiber length in meter
 - J: Jacket diameter in mm
 - FA/FU: Fiber connectors for both ends. FA: FC/APC; FU: FC/UPC
- PMJ-LMA-w-a/b-NA-L-J-FA/FU