

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:

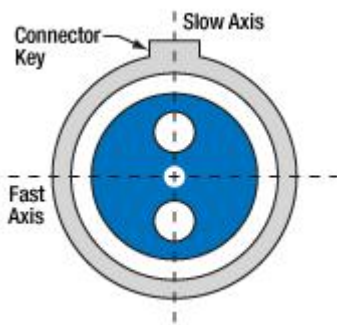
- Laser to PMF coupling
- Fiber Optic sensing
- Coherent communication
- Component pigtailed
- Other scientific research

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 | | Narrow key 2.0±0.02μm | | |
| 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