

SPECIALTY OPTICAL FIBER

IXF-PMF-980-125-P-012

Polarization-Maintaining Fiber

Exail proposes a range of standard PM Fibers with 125 μm cladding diameter.

Customized coatings and wavelengths available upon request.



Benefits & Features

- High birefringence
- Excellent polarization maintaining properties
- Low attenuation
- Dual-layer UV acrylate and 900 μm

Applications

- Coherent beam delivery
- Delay lines
- Diode & modulators pigtailed
- Fiber optic sensors, gyroscopes and instrumentation
- Lyot depolarizers
- Polarization-sensitive components

Parameters

Cutoff wavelength (nm)	900 \pm 50
Attenuation @980nm (dB/km)	< 2.5
Beat length @980nm (mm)	< 2.3
Mode field diameter @980nm (μm)	6.6 \pm 0.5
Numerical aperture	0.12 \pm 0.01
Core/Clad concentricity (μm)	< 1
Cladding diameter (μm)	125 \pm 1
Coating diameter (μm)	250 \pm 15
Proof test level (kpsi)	100

Design parameters

Operating wavelength (nm)	980
Design	Panda
Core ellipticity (%)	< 15
Holding parameter (m^{-1})	< 1.10^{-5}
Coating material	Dual acrylate
Operating temperature range ($^{\circ}\text{C}$)	-40 to +85

Exail reserves the right to change, at any time and without notice, the specifications, design, function or form of its products described herein.

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