

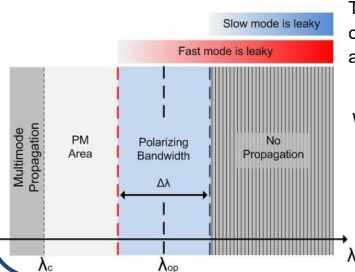
light.augmented with IXF-PZG-1064-125

POLARIZING OPTICAL FIBER for applications from 1030 to 1090 nm

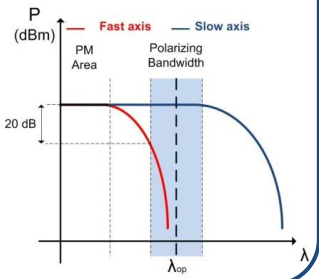
APPLICATIONS: All-Fiber Polarizers; Fiber Lasers; Single-Frequency Laser Transmission; Interferometry; Fiber Pigtailed; Fiber Delay Lines

HOW IT WORKS?

A Polarizing Fiber selectively attenuates the light propagating along one polarization axis (Fast Axis) and preserves only the polarized light along the other principal axis (Slow Axis).



Slow mode is leaky
Fast mode is leaky



SPECIFICATIONS

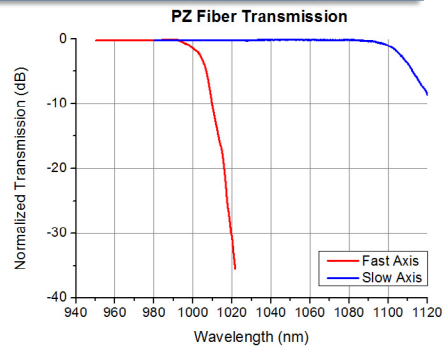
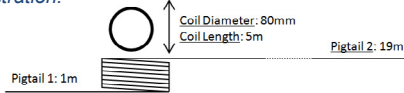
Typical Polarization Performance		Other Specifications	
Operational Wavelength (nm)	1064	Design	Tiger
Polarizing Bandwidth (nm)	> 80	MFD (μm) @1064 nm	8 \pm 1
Extinction Ratio (dB) @1064 nm	> 30	Cladding Diameter (μm)	125 \pm 1
Attenuation (dB/m) @1064 nm	< 0.02	Minimum Bend Diameter (cm)	> 2

The deployment of the PZG fiber is key to its performance.

3 case studies:

- A) All-Fiber Polarizer 60mm (5m)
- B) Delay Line 200m (120mm)
- C) Single-Frequency Laser Transmission 20m straight = 19+1m (+5m/80mm)

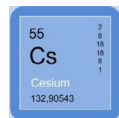
Illustration:



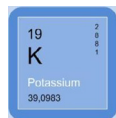
→ According to your needs and your constraints, we have a Polarizing Solution!

Available on request: Connectorization (PER>30 dB); LSZH Up-jacketing 2.5 mm; Coil Packaging

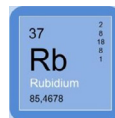
OTHER POLARIZING WAVELENGTHS AVAILABLE



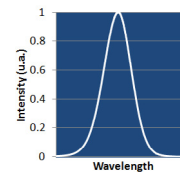
895 & 852 nm



770 & 767 nm



795 & 780 nm



830 nm

1310 nm

1550 nm