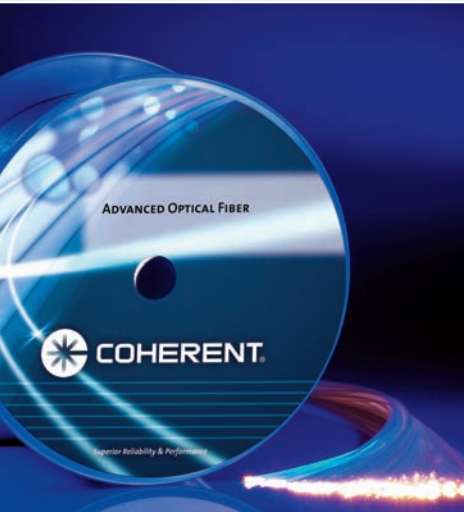


# Polarization Maintaining Fiber

PMF-RC-1550-B1



## Features

- High birefringence
- Low attenuation
- Bow-tie stress structure design
- Low bending induced attenuation
- Superior polarization maintaining properties
- Excellent product consistency

## Applications

- Fiber optic gyroscopes (FOGs)
- Voltage and current sensors
- Connectivity between source laser and modulator
- Laser pigtailling
- Polarization-sensitive components

## Technical Specifications

### Product Code

### PMF-RC-1550-B1

Fiber Type	Bow-tie polarization maintaining fiber
Operating Wavelength (nm)	1550
Cut-off Wavelength (nm)	<1500
Mode Field Diameter at 1550 nm (μm)	7.8 ±0.5
Numerical Aperture	0.17 nominal value
Attenuation at 1550 nm (dB/km)	<2.0
Beat Length at 1550 nm (mm)	<4.0
Outer Cladding Diameter (μm)	80 ±2
Coating Diameter (μm)	165 ±5
Core/Cladding Concentricity (μm)	<1.0
Proof Test Level (kpsi)	100
Coating Type	UV-cured dual acrylate

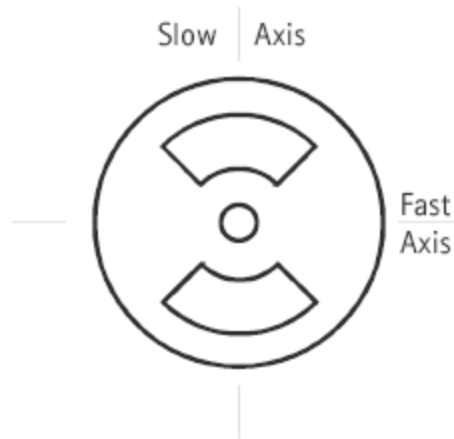
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## Polarization Maintaining Fiber

### PMF-RC-1550-B1

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Cross-Section



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Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice.

Coherent's scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

Coherent offers a limited warranty for all polarization maintaining fibers. For full details of this warranty coverage, please refer to the Service section at [www.Coherent.com](http://www.Coherent.com) or contact your local Sales or Service Representative.



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