



TruePhase® 980 250 Polarization-Maintaining Optical Fiber

P/N: F9920-08



Product Overview

TruePhase 980 Polarization-Maintaining (PM) Optical Fiber is optimized for operation at 980 nm. Primary applications are for pigtailed 980 μm pump diodes, often with pump stabilizer gratings. The dual UV acrylate coating has a diameter of 250 μm . The fiber is proof tested to 200 kpsi for high reliability.

Typical Applications

- 980 Pump Combiners or Pump Multiplexors
- 980 Pump Laser Pigtails
- 980/1550 PM Pump/Signal WDM Couplers
- Coils

Product Specifications	
Product Description	TruePhase 980 250 PM Optical Fiber
Physical Characteristics	
Coating Material	Dual UV Acrylate
Cladding Diameter	125 ± 1.0 µm
Coating/Buffer Diameter	250 ± 10 µm
Clad Non-Circularity	≤ 2.0%
Core/Clad Offset	≤ 0.5 µm
Optical Characteristics	
Type	Polarization-Maintaining
Operating Wavelength	980 nm
Cutoff Wavelength	≤ 970 nm
Mode Field Diameter @ 980 nm	6.6 ± 0.5 µm
Attenuation @ 980 nm	≤ 2.5 dB/km
Beat Length @ 980 nm	≤ 2.7 mm
Crosstalk @ 980 nm	≤ -30 dB/100 m
Crosstalk (Typical) @ 980 nm	≤ -35 dB/100 m
Numerical Aperture (Nominal)	0.13
Mechanical and Environmental	
Operating Temperature	-40 to +85 °C
Proof Test Level	≥ 200 kpsi (1.38 GPa)
Order by Part Number	F9920-08
OPTIONS	Cabling, Coating Material and Dimensions, Metalization, Optical Properties, Proof Test
Contact Information	For additional information please contact your sales representative. You can also visit our website at www.lightera.com or call 1-888-FIBERHELP (1-888-342-3743) USA or 1-770-798-5555 outside the USA. For a full list of our certifications, visit our website.
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