



# Nufern 980HP

## Select Cut-Off Single-Mode Fiber

Nufern, a leading provider of highly engineered optical fibers, is pleased to offer 980HP – our new high-performance select cut-off single-mode fiber.

Compared to the best fibers available today, Nufern 980HP features greater proof strength and a tighter second mode cut-off tolerance. The resulting benefits for component manufacturers are clear: higher strength, increased component reliability, better production yields and reduced costs.

- Optimized NA for laser diode pigtailling
- Mode field diameter matched to Erbium-doped fibers for efficient coupling
- Extremely tight second mode cut-off tolerances for high yield coupler manufacturing
- Higher proof test levels for applications that require tighter bends
- Tighter core/clad concentricity for easier splicing
- Better fiber diameter tolerances

FIBER SPECIFICATIONS	
Second Mode Cut-Off	920 ± 30 nm
MFD @ 980 nm	4.2 ± 0.5 μm
MFD @ 1550 nm	6.8 ± 0.5 μm
Attenuation @ 980 nm	≤ 3.5 dB/km
Core/Clad Concentricity	< 0.5 μm
Fiber Diameter	125.0 ± 1 μm
Coating Diameter	250 ± 15 μm
Proof Test	200 kpsi (1.4 GNm <sup>2</sup> )
DESIGN SPECIFICATIONS	
Operating Wavelength	980 nm
Numerical Aperture	0.20
Core Composition	SiO <sub>2</sub> /GeO <sub>2</sub>
Coating Type	UV Curable, Dual Acrylate
PART NUMBER	
SFX09XXX0904212525AXXA0D	

**Contact Nufern today to take advantage of our special Qualification Pricing. Special volume discounts are also available. Order now at [www.nufern.com](http://www.nufern.com)**

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