



# 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 pigtailing
- 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	$920 \pm 30 \text{ nm}$
MFD @ 980 nm	$4.2 \pm 0.5 \mu\text{m}$
MFD @ 1550 nm	$6.8 \pm 0.5 \mu\text{m}$
Attenuation @ 980 nm	$\leq 3.5 \text{ dB/km}$
Core/Clad Concentricity	$< 0.5 \mu\text{m}$
Fiber Diameter	$125.0 \pm 1 \mu\text{m}$
Coating Diameter	$250 \pm 15 \mu\text{m}$
Proof Test	$200 \text{ kpsi (1.4 GNm}^2\text{)}$
DESIGN SPECIFICATIONS	
Operating Wavelength	980 nm
Numerical Aperture	0.20
Core Composition	$\text{SiO}_2/\text{GeO}_2$
Coating Type	UV Curable, Dual Acrylate
PART NUMBER	
SFX09XXX0904212525AXXXA0D	

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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