

## Ultra Low -OH

### CHARACTERISTICS

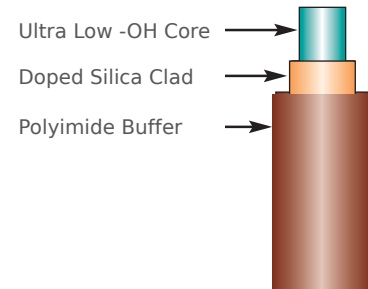
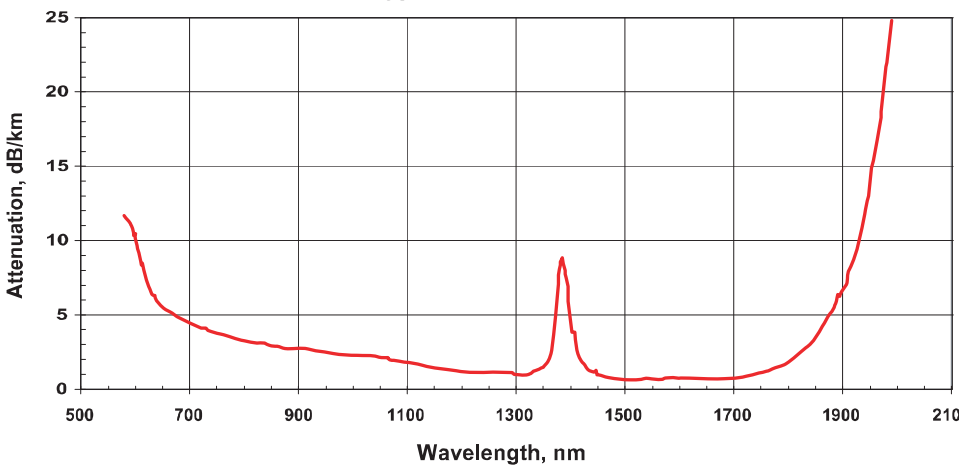
Step index  
 Numerical aperture:  $0.22 \pm 0.02$   
 Full acceptance cone: 25.4 degrees  
 Vis-NIR transmission, 380nm to 2,200nm  
 Radiation resistant

High laser damage threshold  
 Sterilizable and bio-compatible – USP class VI\*  
 Low-OH silica core, doped silica clad  
 Polyimide buffer standard; silicone, acrylate, high-temperature acrylate also available.

## Polymicro Technologies™ Silica/Silica Optical Fiber FI

Polyimide concentricity < 3µm  
 Sizes for bundling  
 Tighter tolerances available  
 Operating temperature: -65° to +300°C  
 Intermittent, up to 400°C  
 Proof tested to 100kpsi

Typical Attenuation



\* The end manufacturer is responsible for bio-compatibility and sterilization testing and validation studies.

## Specifications

Product Descriptor	Core (µm)	Clad (µm)	Buffer (µm)
FIP100110125*	100 ± 3	110 ± 3	124 ± 3
FIP150165195	150 ± 3	165 ± 3	195 ± 5
FIP200220240	200 ± 4	220 ± 4	239 ± 5
FIP300330370	300 ± 6	330 ± 7	370 ± 7
FIP400440480	400 ± 8	440 ± 9	480 ± 7
FIP500550590	500 ± 10	550 ± 10	590 ± 10
FIP600660710	600 ± 10	660 ± 10	710 ± 10
FIA8008801100**	800 ± 20	880 ± 15	1100 ± 30
FIP100120140	100 ± 3	120 ± 3	140 ± 4
FIP200240280	200 ± 4	240 ± 4	275 ± 5
FIP320385415	320 ± 8	385 ± 8	415 ± 10
FIP050070085	50 ± 2	70 ± 2	85 ± 3
FIP100140170	100 ± 3	140 ± 3	170 ± 5
FIA100010501250**	1000 ± 20	1050 ± 15	1250 ± 40

**Note:** The items listed in this table are standard configurations and sizes. Other configurations may be available on request.

\* Not recommended for wavelengths greater than 1000nm.

\*\* Acrylate buffer