

Ultra Low-OH

CHARACTERISTICS

Step index

High laser damage threshold

Numerical aperture: 0.22 ± 0.02

Sterilizable and bio-compatible –
USP class VI*

Proof tested to 100kpsi

Full acceptance cone: 25.4 degrees

Polyimide operating Temperature:
-65 to +300°C intermittent, up to
400°C

Vis-NIR transmission,
380 to 2,200nm

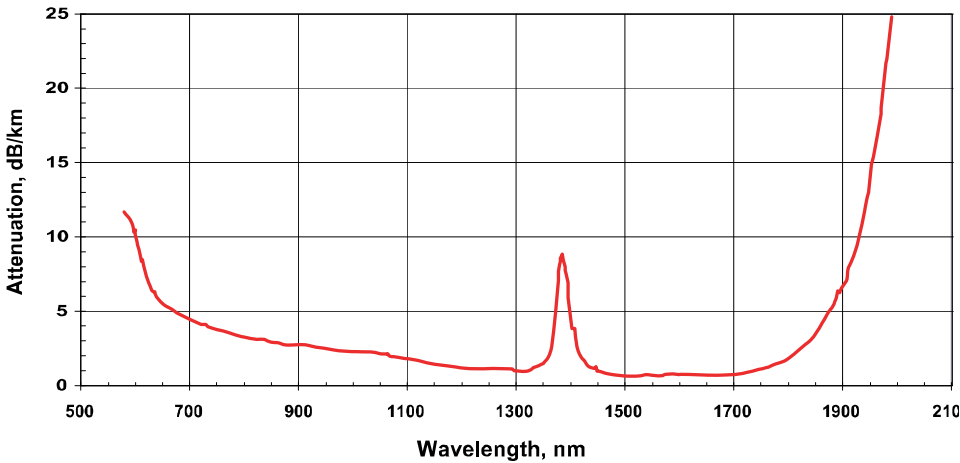
Low-OH silica core, doped silica clad

Radiation resistant

Standard Buffers: Polyimide
and Acrylate; silicone and high-
temperature acrylate also available

Acrylate operating temperature:
-40 to +90°C

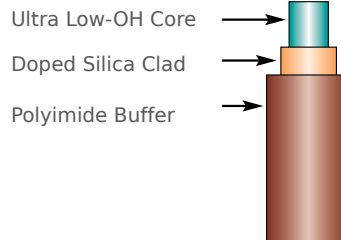
Typical Attenuation



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

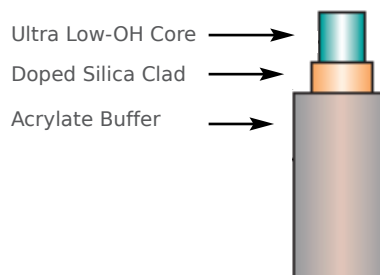
Specifications

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



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

Product Descriptor	Core (μm)	Clad (μm)	Buffer (μm)
FIA050125145***	50 ± 2	125 +1/-3	145 ± 5
FIA050125250***	50 ± 2	125 +1/-3	250 ± 12
FIA105125250***	105 ± 2	125 +1/-3	250 ± 12
FIA8008801100	800 ± 20	880 ± 15	1100 ± 30
FIA100010501250	1000 ± 20	1050 ± 15	1250 ± 40



* Additional attenuation losses may occur when used with wavelengths >500nm due to cladding thickness.
 **Additional attenuation losses may occur when used with wavelengths >750nm due to cladding thickness.
 ***Additional attenuation losses may occur when used with wavelengths >1000nm due to cladding thickness.