

## High -OH

### CHARACTERISTICS

Step index Sterilizable and bio-compatible – USP class VI\*

Numerical aperture:  $0.22 \pm 0.02$   
Full acceptance cone: 25.4 degrees High -OH silica core, doped silica clad

UV-Vis-NIR transmission, 180nm to 1,150nm Polyimide buffer standard; silicone, acrylate, high-temperature acrylate also available.

Superior radiation resistance Polyimide concentricity  $< 3\mu\text{m}$

High laser damage threshold

## Polymicro Technologies™ Silica/Silica Optical Fiber FV

Sizes for bundling

Tighter tolerances available

Temperature:  
operating  $-65^{\circ}\text{C}$  to  $+300^{\circ}\text{C}$   
intermittent, up to  $400^{\circ}\text{C}$

Proof tested to 100kpsi

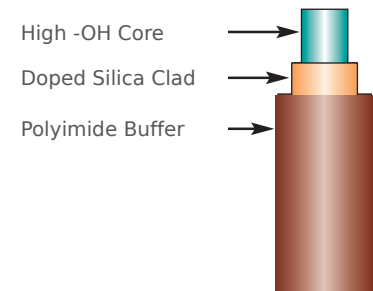
### Specifications

Product Descriptor	Core ( $\mu\text{m}$ )	Clad ( $\mu\text{m}$ )	Buffer ( $\mu\text{m}$ )
FVP050055065*	$50 \pm 2$	$55 \pm 2$	$65 \pm 2$
FVP100110125**	$100 \pm 3$	$110 \pm 3$	$124 \pm 3$
FVP150165195	$150 \pm 3$	$165 \pm 3$	$195 \pm 5$
FVP200220240	$200 \pm 4$	$220 \pm 4$	$239 \pm 5$
FVP300330370	$300 \pm 6$	$330 \pm 7$	$370 \pm 7$
FVP400440480	$400 \pm 8$	$440 \pm 9$	$480 \pm 7$
FVP600660710	$600 \pm 10$	$660 \pm 10$	$710 \pm 10$
FVA8008801100***	$800 \pm 20$	$880 \pm 15$	$1100 \pm 30$
FVP100120140	$100 \pm 3$	$120 \pm 3$	$140 \pm 4$
FVP200240280	$200 \pm 4$	$240 \pm 4$	$275 \pm 5$
FVP320385415	$320 \pm 8$	$385 \pm 8$	$415 \pm 10$
FVA100010501250***	$1000 \pm 20$	$1050 \pm 15$	$1250 \pm 40$

\* Recommended for UV wavelengths only. Availability varies.

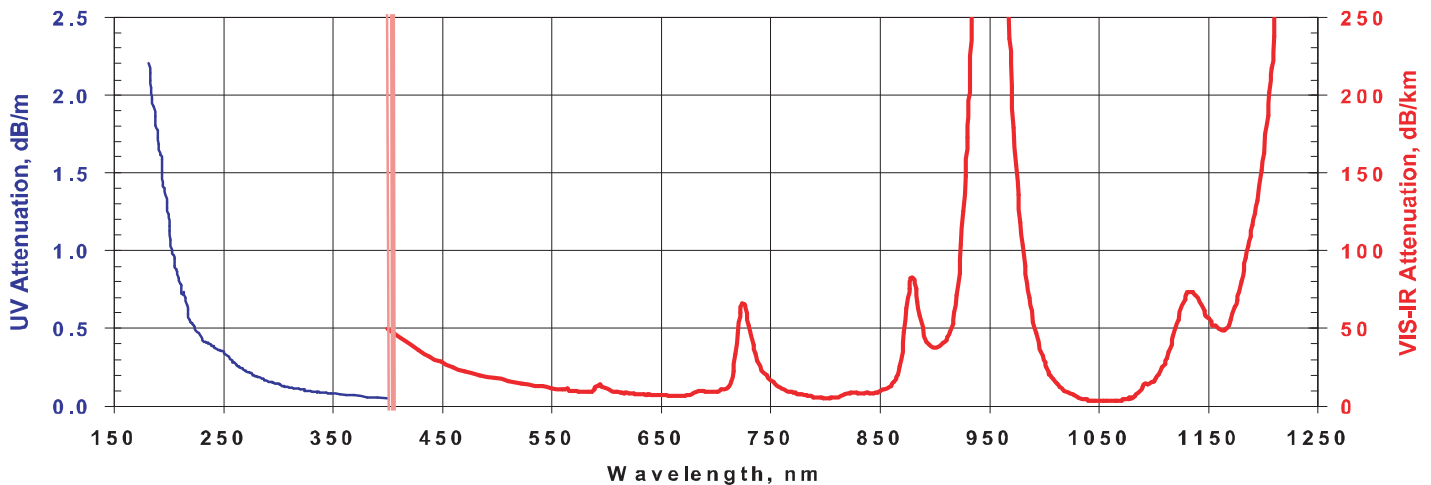
\*\* Not recommended for wavelengths greater than 1000nm.

\*\*\* Acrylate buffer



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

### Typical Attenuation



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