

CHARACTERISTICS

Step index	Sterilizable and bio-compatible – USP class VI*
Numerical aperture: 0.22 ± 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 Silica/Silica Optical Fiber FV

Sizes for bundling
Tighter tolerances available
Temperature:
operating -65°C to $+300^{\circ}\text{C}$
intermittent, up to 400°C
Proof tested to 100kpsi

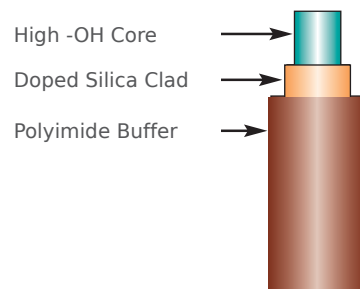
Specifications

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

* Recommended for UV wavelengths only. Availability varies.

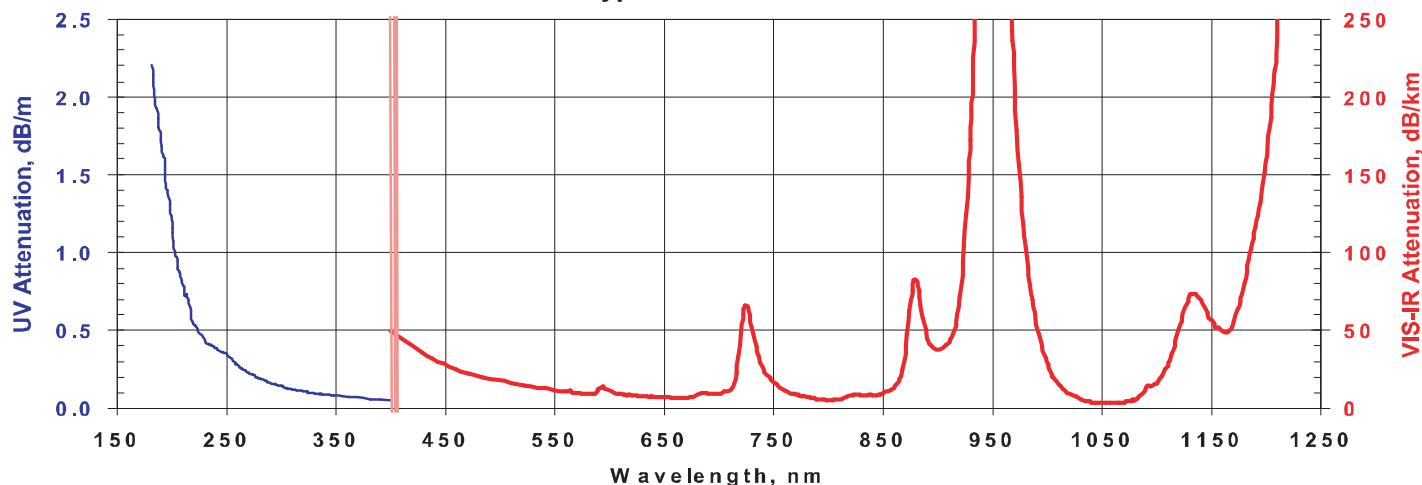
** Not recommended for wavelengths greater than 1000nm.

*** Acrylate buffer; Operating temperature: -65° to 80°C



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.