

## 50µm 0.22 NA UV/VIS Fiber, 25m Length



Stock **#57-072** **3 In Stock**

⊖ 1 ⊕ **S\$207<sup>20</sup>**

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Volume Pricing	
Qty 1-4	<b>S\$207.20</b> each
Qty 5-24	<b>S\$183.40</b> each
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### Product Downloads

### General

**Note:**

Fiber ends are not polished.

### Physical & Mechanical Properties

**Cladding Diameter (µm):**

125 +1/-3

**Minimum Bend Radius (mm):**

25/13 (Continuous/Momentary)

25.00	Length (m):
145 ±5	Outer Diameter (µm):
50 ±2	Core Diameter (µm):

## Optical Properties

25.4	Acceptance Angle (°):
UV/MS	Coating:
Fused Silica	Substrate: □
0.22	Numerical Aperture NA:
1.457	Index of Refraction (n <sub>1</sub> ) - Core:
1.439	Index of Refraction (n <sub>2</sub> ) - Cladding:
190 - 1250	Wavelength Range (nm):
±0.02	Numerical Aperture (NA) Tolerance:

## Material Properties

Polyimide	Buffer Material:
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## Environmental & Durability Factors

-190 to +390	Operating Temperature (°C):
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## Regulatory Compliance

<a href="#">Compliant</a>	RoHS 2015:
<a href="#">Compliant</a>	Reach 209:
<a href="#">View</a>	Certificate of Conformance:

## Product Details

### UV/VIS Optical Fibers

- High OH Content
- Fused Silica Core
- Stepped Index
- Multimode Fiber

### VIS/NIR Optical Fibers

- Low OH Content
- Ideal for Use with NIR Diode Lasers
- Fused Silica Core
- Stepped Multimode Fiber

Buffered Fiber Optics are ideal for regions of the UV/Visible and Visible/NIR spectrum not covered by our plastic optical fibers. These fibers have a fused silica core and cladding, as well as a polymer buffer for added protection. Fiber diameters of 50µm – 600µm feature a high temperature, high strength polyimide buffer, while the 1mm fibers are buffered with nylon for greater protection. Buffered Fiber Optics are offered in UV/MS or VIS/NIR Fibers in 10 and 25m lengths, from 50 to 600µm.

**Note:** Fiber ends are not polished.

## Technical Information

