

Technical Data

Fiber Types:

All Silica Optical Fiber
Plastic Clad Fiber
Round or Square Core Fiber

Buffer Types:

Acrylate
Nylon
Polyimide
Tefzel

Assembly Types:

Single Fiber Assemblies

Connector Types:

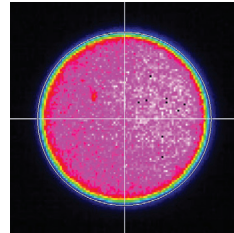
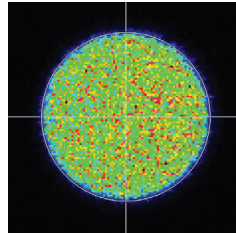
905 SMA
906 SMA
FC/PC
FC/UPC
FC/APC
ST/PC
ST/UPC
ST/APC
Cleaved Ends
Polished Ends
Round 2.5mm Ferrule
Custom Connectors

Certifications:

FDA Registered
ISO 9001:2015
ISO 13485:2016

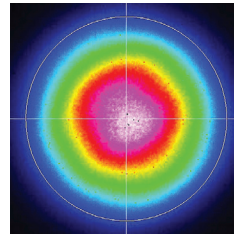
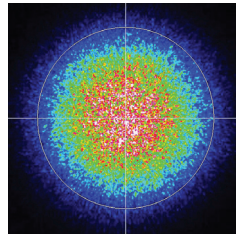
Fiberguide’s proprietary De-Speckler technology averages the modal noise within an optical fiber. This reduction in speckle is an ideal choice for fiber assemblies used in the Life Sciences, Digital Laser Projection, Interferometry, Laser Beam Homogenization, Lithography, and Metrology. For many fiber coupled applications, modal noise interferes with optimal performance. Fiberguide has developed a small and simple de-speckling system which maximizes performance and reliability in illumination, with no optical loss.

Near Field
Without
De-Speckler



Near Field
With
De-Speckler

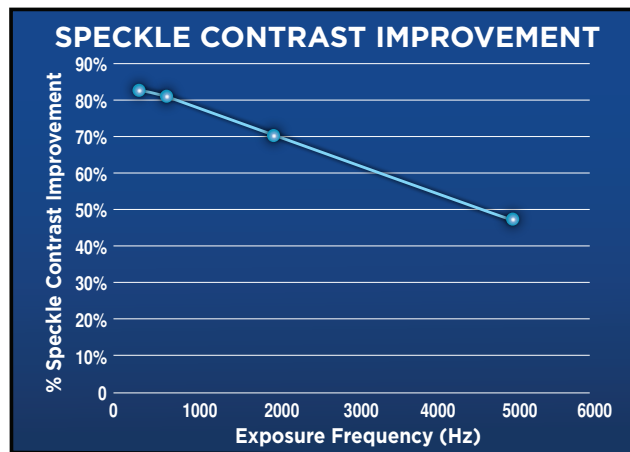
Far Field
Without
De-Speckler



Far Field
With
De-Speckler

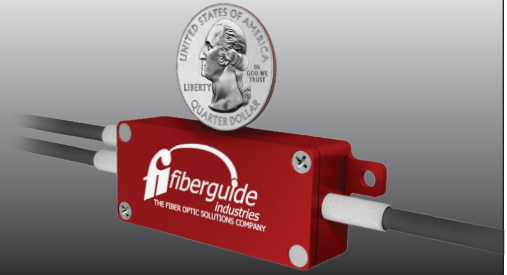
SPECIFICATIONS:

Power Supply	+5 Volts
Power Consumption	< 3 Watts
Wavelength	400nm – 1550nm
Fiber Core Size	100µm – 400µm
De-Speckling Rate	Up to 5000 Hz



CONTACT US:

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www.fiberguide.com



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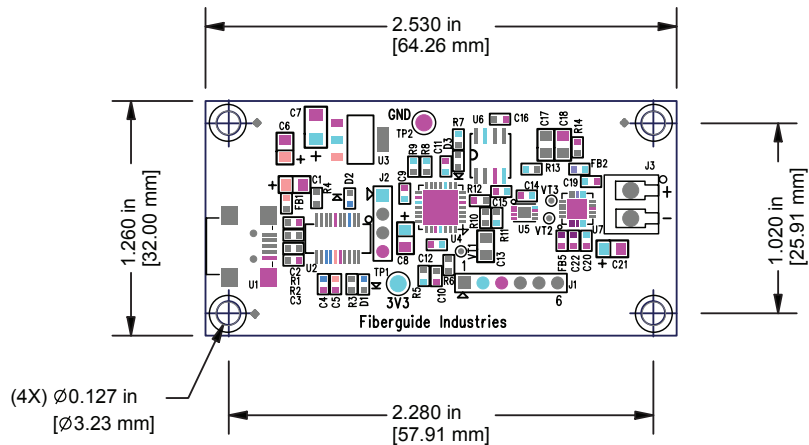
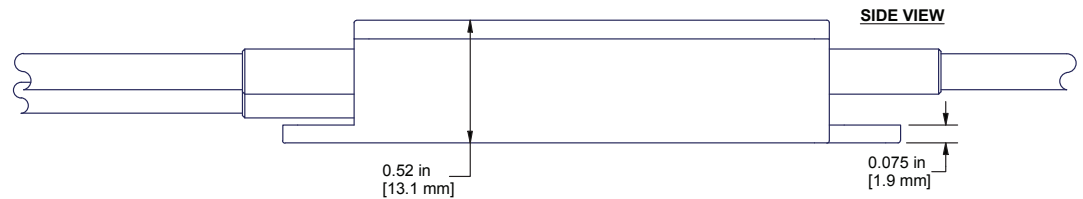
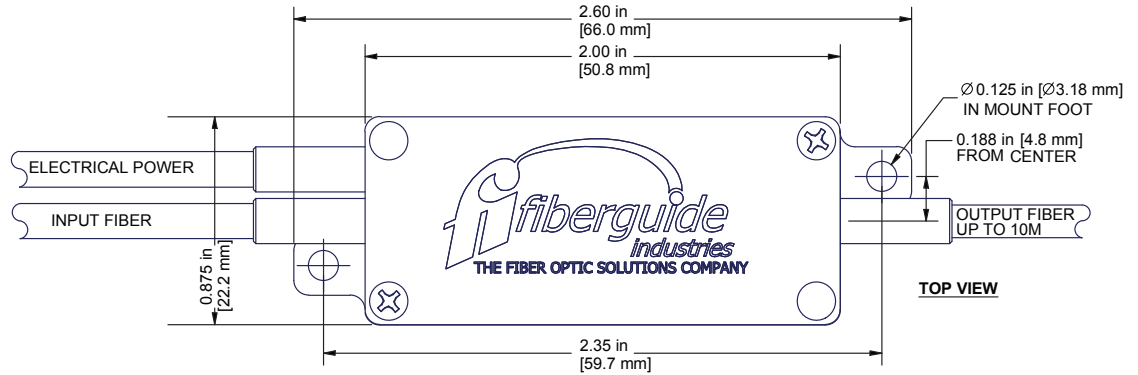
- Single Fiber Assemblies

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TYPICAL APPLICATIONS:

Life Sciences:

- Bioanalytical Instrumentation
- Flow Cytometry
- Gene Sequencing
- Microscopy
- Spectroscopy

Digital Laser Projection

- Interferometry**
- Laser Beam Homogenizers**
- Lithography**
- Metrology**



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