

Achromatic Fiber Collimator



Overview

Achromatic Fiber Couplers (Fiber Ports) and Fiber Collimators all designed for coupling multiple wavelengths into single-mode and polarization-maintaining fiber cables with high coupling efficiency, pointing stability and long-term stability. All fiber couplers have an adjustable focus and are. Video 1. 1 This animation provides an introduction to the mechanism of the FiberPort and shows how the FiberPort can be used as a collimator. For more information, please see the Alignment Procedure tab. Thorlabs' compact, ultrastable FiberPort micropositioners provide an easy-to-use platform for. Thorlabs' High-NA Achromatic Collimators are designed for use with high-NA multimode fiber, and are therefore ideal for applications such as fiber photometry. The collimator is coated with anti-reflection coating for visible light, and the fiber connector options include FC/PC, FC/APC, or SMA905. Compared with aspheric collimators, the air-spaced lens. Definition: devices for collimating the light coming from a fiber, or for launching collimated light into the fiber Alternative term: fiber-optic collimators Category: fiber optics and waveguides Concept tree: Related: beam collimators fibers fiber connectors collimated beams insertion loss fiber. Product Configurator for all achromatic Fiber Couplers / Fiber Collimators. Please use the check boxes and sliders to select certain features and narrow down your search to the specifications you need.

Article Content

Large-Beam Achromatic Fiber Collimators, Adjustable

For additional large-beam collimators, please see our line of fixed focus, air-spaced doublet collimators. We also offer a variety of other collimators, including zoom

Fiber Optic Collimators: Types, Applications, and How

Learn about types, principles, applications, and selection criteria of fiber optic collimators. Explore GRIN, reflective, achromatic options.

Fiber Collimators – lens, collimated beam, focal length,

There are two different basic types of such devices, differing in how the fiber is mounted: Some can be directly attached to bare fibers. This is the cheapest and

Reflective Achromatic Fiber Collimators

Reflective Achromatic Fiber Collimators by Z Optics use a 90° off-axis ellipsoidal mirror for precise laser-fiber coupling, minimizing achromatic aberration

Achromatic Fiber Collimator, $f = 40$ mm, FC/ | C40FC-B | Volition

Please note that careful alignment is needed when mating a narrow key polarization maintaining fiber with the collimator's wide key receptacle. The 40 mm EFL and 80 mm EFL

Product Configurator

Product Configurator for all achromatic Fiber Couplers / Fiber Collimators. Please use the check boxes and sliders to select certain features and narrow down your search to the specifications you need.

Technotes

Effective numerical aperture, cut-off wavelength, mode field diameter, fiber attenuation, pure silica fibers, PM fibers, end caps, amagnetic fiber connectors,...

Fiber Collimators for multimode fibers

Fiber Collimators for producing a collimated beam (low divergence beam) exiting a multi-mode fiber cable. Please note that the beam profile will not be Gaussian due to the non-Gaussian beam profile of

FiberPort Collimators / Couplers

FiberPort Collimators / Couplers Ultrastable Micropositioning Alignment with Five Degrees of Freedom Plus Rotation Adjustment Usable with Single Mode, Multimode, and Polarization-Maintaining Fiber

Fiber Couplers / Collimators by series

It includes the laser beam coupler series 60SMS, the fiber collimator series 60FC and 60FC-F as well as 60FC-L and 60FC-T. Specialized collimators are available with achromatic optics or made from

Fiber Collimators

With over 20 years of industry leadership, we leverage proprietary technologies — including unique fiber-end lensing, precision V-groove assembly, and custom-built metrology instruments — to

Single-mode fiber achromatic collimator 400-700nm / 650-1100nm /

HR/AR Pigtail Coating (Fiber Optic Mirror) All fiber 43.8m Long optic path herriott cell
White Broadband Gas Absorption Cell Compact Fixed Time Delay Coils Single-mode
fiber achromatic collimator 400

Fiber Collimator for collimating large beam diameters by Schäfter ...

The fiber collimator is designed for collimating radiation exiting from an optical fiber cable or used in reverse for coupling a beam into an optical fiber cable. Large beam diameters: Focal length 40 mm

Multimode Achromatic Fiber Collimators

Multimode Achromatic Fiber Collimators is used for wide band application. Chromatic aberration is elaborately compensated with special design on

Fiber Collimator for collimating large beam diameters and additional ...

Features The fiber collimator is designed for collimating radiation exiting from an optical fiber cable or used in reverse for coupling a beam into an optical fiber cable. It has an integrated TILT adjustment

FiberPort Collimators / Couplers

Our achromatic FiberPorts collimate light over a large wavelength range with a very small focal length shift. This reduces the need for realignment if the wavelength

Thorlabs · C20APC-C Achromatic Fiber Collimator, $f = 20$ mm,

Our customer service teams will reach out if these items are revised. We welcome your thoughts!

Fiber Collimators – lens, collimated beam, focal length,

Fiber collimators are devices for collimating the light coming from a fiber, or for launching collimated light into the fiber.

Achromatic Lens Collimator / Fiberwe Technologies Co., Ltd.

Achromatic Lens Collimator consists of a group of long focal length collimating optical systems with chromatic aberration and distortion compensation design, making the focal length of the collimator

Fiber optics by Schäfter+Kirchhoff

For focal lengths > 20 mm there is often a trade-off between achromatic characteristics and monochromatic performance. For an optimum beam quality, the performance of each optics needs to

LBTEK-Achromatic large-aperture fiber collimator

LBTEK 80 mm EFL achromatic large-aperture fiber collimator is designed for large beam diameters. To minimize losses caused by surface reflections, both sides of all lenses in the collimator are coated

Multimode Fiber Achromatic Lens Collimator

Multimode Fiber Achromatic Lens Collimator Composed of kits of high numerical aperture lenses, suitable for NA.22 multimode fibers. It can shape and collimate the light beam emitted from

High-NA Achromatic Collimators for Multimode Fibers

Thorlabs offers a wide variety of multimode patch cables that can be used with these collimators, including lightweight cables for optogenetics and low

High-NA Achromatic Collimators for Multimode Fibers

Thorlabs' High-NA Achromatic Collimators are designed for use with high-NA multimode fiber, and are therefore ideal for applications such as fiber photometry. These triplet collimators feature a meniscus

Fiber Collimator

Single Mode Achromatic Fiber Collimators Single Mode Achromatic Fiber Collimators is used for wide band application. Chromatic aberration is elaborately compensated with special design on materials,

Contact Us

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