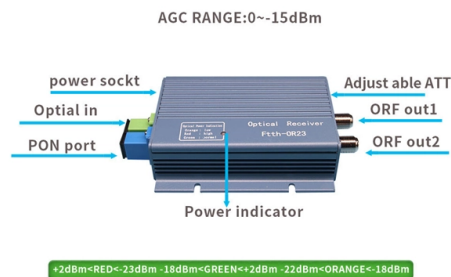


Fixed Aspherical Fiber Collimator



Overview

These fiber collimation packages are pre-aligned to collimate light from an FC/APC-terminated fiber with diffraction-limited performance. The aspheric lens exhibits chromatic aberration, and its effective focal length (EFL) is wavelength-dependent. It provides diffraction-limited performance. The fixed non spherical fiber collimator provided by JCOPTIX is designed to cover the wavelength range of 405-1550 nm, including 405 nm, 532 nm, 543 nm, 633 nm, 780 nm, 1064 nm, 1310 nm, 1550 nm. Fiber optic connectors are available in three specifications: FC/PC, FC/APC, and SMA, which can be used. Video 1. In principle, a simple collimation lens (see Figure 1) is sufficient for that purpose. However, the fiber end has to be firmly fixed at a distance from the lens.



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

Fixed Fiber Collimators-JCOPTIX MALL

The fixed fiber collimator of JCOPTIX has no adjustment mechanism and a delicate structure. It can be used with collimator mounting components and is easy to install in various lens mounting brackets

Fiber Optic Collimator, Fixed Focus, Aspherical Lens, FC or

OVERVIEW The FC-AL-X-NFY fiber collimator is designed to accept FC/PC or SMA905 type connectors and collimate light exiting a fiber to a desired beam diameter. High quality, AR-coated aspherical

Aspherical lenses and collimation

Aspherical lenses are available uncoated or coated and are commonly used for collimating the output light from optical fibers or laser diodes, coupling light into

Fiber Collimators – lens, collimated beam, focal length,

CSRayzer provides different kinds of fiber collimators, which can be customized for high power, focusing distance, beam spot diameter, etc. Fixed focus collimators

Compact Fiber Collimator Specification

Compact Fiber Collimator Specification Fiber collimator reduces the divergence angle of the light output from an optical fiber. Fiber collimators are used to match the beam divergence from a fiber with the

Fixed Fiber Collimators-JCOPTIX MALL

Description JCOPTIX Fixed Fiber Collimator includes three specifications of fiber connectors: FC/APC, FC/PC, and SMA, which can be used with single-mode, polarization maintaining, and multi-mode

LightPath® Fiber Optic Collimators

LightPath Fiber Optic Collimators are used to collimate/focus light exiting a fiber to a desired beam diameter and are available at Edmund Optics.

Adjustable Aspheric Collimators

Adjustable Aspheric Collimators Thorlabs offers Adjustable Aspheric Collimators for use with FC/PC-, FC/APC-, and SMA-Terminated Fibers.

Fixed Fiber Optic Collimators

Fixed fiber-optic collimators are designed to accept FC or SMA terminated optical fibers and collimate a beam exiting a single-mode fiber to a 2.0 mm to 3.0 mm

Fiber Optic Collimators: Types, Applications, and How

This article explains what fiber optic collimators are, the different types available, typical applications, design parameters to watch, and guidelines for

Fixed Fiber Collimator FCX20

The FCX20 Fiber Collimator comes with a 3mm cable terminated with an FC or FC/APC connector. Either singlemode fiber or polarization maintaining fiber

LBTEK-Fixed fiber optic collimator

We are committed to providing professional technical services and maintaining strict quality standards to enhance productivity and foster innovation in scientific laboratories.

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

Fiber Optic Collimation/coupling Packages

Our selection of fixed fiber collimators include packages with aspheric lenses, which mate with SMA and FC connector. For larger beams, our air-spaced doublet

Fiber Optic Loss Budgets Calculator | Fiber Optic

Our Fiber Collimator Calculator, combined with the insights provided in this guide, empowers you to make informed decisions and achieve superior results in your

Fixed Aspheric Fiber Collimators-JCOPTIX MALL

It outputs a collimated beam of the designed wavelength for easy fiber coupling. The fixed non spherical fiber collimator provided by JCOPTIX does not require

Designing a plano-convex aspheric lens for fiber optics collimator

Request PDF | Designing a plano-convex aspheric lens for fiber optics collimator | A plano-convex aspheric lens is designed to collimate the emitted light of the fiber optics. In this paper even ...

Thorlabs

These fiber collimation packages are pre-aligned to collimate light from an FC/APC-terminated fiber with diffraction-limited performance. Because these fiber collimators have no movable parts, Click for

FiberPort Collimators / Couplers

We offer another line of Polaris® Kinematic Collimators for fiber collimation applications requiring stringent long-term alignment stability. Featuring the

Fixed Focus Collimation Packages: FC/APC

These fiber collimation packages are pre-aligned to collimate light from an FC/APC-terminated fiber with diffraction-limited performance. Because these fiber

Fiber collimators & fiber couplers | asphericon

The a|TopShape LD Fiber is a asphericon's newest beam shaping system designed for direct coupling to single-mode fibers. It produces a perfectly collimated Top

AspheriColl | asphericon

The a|AspheriColl is an adjustable fiber collimation device, which enables the perfect connection of FC/PC patch fibers to your set-up. Combine the world's smartest off-the-shelf fiber collimator for NAs

Fixed Aspherical fiber #collimators

#raysoptics Fixed Aspherical fiber #collimators are pre-aligned and can be used to collimate laser beams from FC/APC, FC/PC or SMA fiber connectors. Aspheri...

LBTEK-Fixed Aspheric Fiber Collimator

The LBTEK aspheric fiber collimator is pre-aligned and can be used to collimate laser beams emitted from FC/APC, FC/PC, or SMA fiber connectors. The aspheric lens exhibits chromatic aberration, and

Fiber Collimators

Most fiber collimators today utilize Graded Index (GRIN) lenses, small optics with plane surfaces that focus light through the continuous change of refractive index

fiber optic collimation/coupling packages | CNI laser

These collimators are designed to connect onto the end of an FC/PC or SMA905 connector and contain an AR-coated aspheric lens. The distance between the

LightPath® Fiber Optic Collimators

LightPath® Fiber Optic Collimators are designed so that they can be used in pairs to couple the input and output light of optical devices. Optimum performance for

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