

Collimator FC and SMA interfaces



Overview

Fiber optic collimators are used to couple light into and out of optical fibers. Due to chromatic aberration, the effective. specially designed for SMA-905 high power connectors with 5° or 8°-polish. High precision fiber coupler optimized for high pointing stability and long-term stability -. 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 fiber jumpers. The working wavelength of the fiber collimator covers 405-1550 nm, and all fiber collimators are. This article explores the design, functionality, and real-world performance of the Ø11mm collimator fiber optic, emphasizing its fixed-focus construction, interface compatibility (FC/APC and SMA, and seamless integration with F1120 series modules for reliable, stable operation in industrial and. These fiber collimation packages are pre-aligned to collimate light from an SMA connectorized fiber with diffraction-limited performance. The distance between the aspheric lens and the tip of the FC-terminated fiber can be adjusted to compensate for focal length changes or to recollimate the beam at the.



Article Content

Fiber Collimator and Fiber Coupler 60FC-SMA

Fiber Collimator series 60FC-SMA specially designed for SMA-905 high power connectors with 5° or 8°-polish.

Fiber optic Collimator

Fiber optic collimators are used to couple light into and out of optical fibers. Fiber optics collimators have a SMA905, FC/PC, or FC/APC terminated optical fiber at one end and a focusing lens assembly at

Adjustable Fiber Collimators-JCOPTIX MALL

Adjustable Fiber Collimators Fiber optic output beam collimation FC/PC, FC/APC, and SMA connectors are available for selection Adjustable focal lengths of 4.5

LightPath® Fiber Optic Collimators

LightPath® Fiber Optic Collimators See More by Lightpath® Easy to Integrate Models for FC/PC, FC/APC, and SMA Connections Available Four Wavelength Ranges Covering 350-1600nm

Fiber Collimator series 60FC-SMA

The fiber couplers series 60FC-SMA are designed for coupling into SMA-905 high power connectorized single-mode and polarization-maintaining fiber cables including PCF fibers cables. It can also be

Everything You Need to Know About the Ø11mm Fiber Optic Collimator

This article explores the design, functionality, and real-world performance of the Ø11mm collimator fiber optic, emphasizing its fixed-focus construction, interface compatibility (FC/APC and SMA, and

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 Collimator with Spherical Lens and Non-Adjustable Focus

OVERVIEW The fiber collimator is designed to connect to the end of the FC/PC or SMA905 connector and contains an AR-coated spherical lens. The distance between the spherical lens and the tip of the

Zoom Fiber Collimators

Our zoom collimators are available from stock with AR coatings for three different wavelength ranges (400 nm - 650 nm, 650 nm - 1050 nm, or 1050 nm - 1650 nm)

UV/VIS-Faseroptikkollimator, 4 mm Apertur, SMA

The 4mm Aperture Fiber Optic Collimator threads directly onto FC or SMA fiber. Each 10mm Aperture Fiber Optic Collimator includes an FC or SMA adapter that

Fixed Focus Collimation Packages: SMA905

These fiber collimation packages are pre-aligned to collimate light from an SMA905-terminated fiber with diffraction-limited performance. Because these fiber

Everything You Need to Know About the Ø11mm Fiber Optic

In a factory automation line where equipment runs 24/7, we replaced five SMA-coupled collimators with FC/APC versions after three units failed due to degraded signal-to-noise ratio.

Fiber Collimator / Fiber Coupler for collimating radiation exiting an ...

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. Focal length 5 mm Optics type:

Fiber Collimators for multimode fibers

Fiber Collimators for producing a collimated beam (low divergence beam) exiting a multi-mode fiber cable. All Fiber Couplers and Fiber Collimators have an adjustable focus and are available for

Fiber Collimator series 60FC-SMA

Fiber Collimator 60FC-SMA-T-23 Representative product images. Individual product images are found on the individual product pages. DESCRIPTION FEATURES High precision fiber coupler optimized

F-C5-S3-780 Fiber-optic Collimator

The F-C5-S3-780 Collimator is designed to accept SMA type fiber connectors and collimate a 780 nm beam exiting a single-mode fiber to a 3.0 mm beam.

SMA Collimator

SMA Collimator Controlling divergence and field of view Collimating lenses can be used to focus light into a optical fiber and to collimate the divergent light coming out of an optical fiber. They allow users

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

Fixed Fiber Collimators-JCOPTIX MALL

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 fiber jumpers.

Fiber Optic Collimator, Adjustable Focus, Spherical Lens, FC or

The FC-SL-X-AFY fiber collimator is designed to accept FC/PC or SMA905 type fiber connectors and collimate light exiting a fiber to a desired beam diameter. High quality, AR-coated spherical lenses

10mm Aperture UV/VIS Fiber Optic Collimator, SMA

Focusable Collimators consist of two separate components: a fiber optic collimator and a fiber optic refocusing assembly. The fiber optic collimator utilizes a PCX lens positioned at the focal length from

High-Power Multimode Fiber Collimator: High Damage Threshold and

High-Power Multimode Fiber Collimators have become key components in high-power optical systems due to their high damage threshold, large-core fiber compatibility, and stable beam output performance.

SMA Adjustable Aspheric Collimators

Thorlabs offers Single Mode (SM) and Multimode (MM) Hybrid Fiber Patch Cables with an SMA connector on one end and an FC/PC or FC/APC connector on the

Fixed Focus Collimation Packages: SMA905 Connectors

For large beam diameters ($\varnothing 6.6 - \varnothing 8.5$ mm), Thorlabs offers FC/PC, SMA, and FC/APC air-spaced doublet collimators. These collimation packages are pre-aligned at the factory to collimate a laser

Fiber connector options for fiber couplers and fiber

Standard fiber couplers and collimators are equipped with an FC Type connector (FC APC or FC PC). They can also be provided with receptacle of type ST, LSA

Contact Us

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