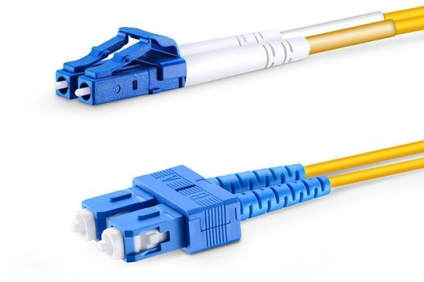


Price of Single-Mode Fiber Optic Coated Mirror



Overview

Our fiber-based mirrors are available on single-mode, multi-mode, or specialty fibers, and can be delivered uncoated or with broadband/high-finesse dielectric stacks.

Key Takeaways

Single-mode fiber optic coated mirrors typically range from several hundred to over a thousand USD per unit, depending on coating type, reflectivity, and customization. OverviewSingle-mode fiber optic mirrors, including Faraday rotator mirrors (FRMs) and high-reflectivity fiber cavity mirrors, are precision optical components used in quantum optics, fiber networks, and high-stability measurement systems. These mirrors are fabricated directly on fiber end facets and can feature dielectric coatings, broadband or high-finesse stacks, and custom radii of curvature.

They are available in stock configurations for common wavelengths or fully customized for specific experimental requirements.

Factors Affecting Price

Coating Type: Dielectric coatings with high reflectivity or multiple stop bands are more expensive than uncoated or standard coatings. **Mirror Geometry:** Concave or custom-shaped mirrors with precise radii of curvature require advanced laser machining, increasing cost. **Fiber Type:** Single-mode fibers are generally more costly than multi-mode fibers due to tighter tolerances and alignment requirements.



Additional Features: Options like tapered tips, connectors, planar mirror pairs, or Faraday rotation functionality can add to the price. **Quantity and Lead Time:** Stock items are usually less expensive than fully custom mirrors, and bulk orders may reduce per-unit cost.

Typical Price Range

Stock single-mode fiber mirrors: Approximately \$300–\$800 USD per unit for standard coatings and common wavelengths. **Custom high-reflectivity or Faraday rotator mirrors:** Prices can exceed \$1,000 USD per unit depending on specifications, coating complexity, and precision requirements.

Purchasing Recommendations

Contact suppliers like Qlibri, FiberCavities.com, or Kerns Tech for quotes based on your exact specifications. Specify wavelength, reflectivity, curvature, fiber type, and any additional features to receive an accurate price. Consider stock mirrors for rapid deployment if your wavelength and specifications match standard offerings.

By providing detailed specifications to the manufacturer, you can obtain a precise quote and ensure the mirror meets your experimental or network requirements.

Article Content

Micro-Cavity fiber mirrors

Our fiber-based mirrors are available on single-mode, multi-mode, or specialty fibers, and can be delivered uncoated or with broadband/high-finesse dielectric stacks.

Fiber Optic Retroreflectors

Thorlabs' Fiber Optic Reflective-Coated Patch Cables are designed to reflect light input through the connector backward through the fiber. They can be used to

Optical Mirrors | Mirror Optics | Edmund Optics

Edmund Optics offers a range of laser, flat, metal substrate, focusing, or specialty Optical Mirrors in a multitude of reflective coating options, including Protected

FiberCavities

We manufacture fibers specially tailored for your requirements: Cavity fiber mirrors with custom high reflective coating (also uncoated), profile (radius of curvature, depth) and optionally with tapered tip,

Single Mode Fiber

These fibers enable single mode transmission from 780 - 970 nm and feature an acrylate jacket. These fibers have exceptional core/cladding concentricity which reduces insertion and bend losses.

780nm Single-mode Fiber Faraday Rotating Mirror FRM

The fiber optic Faraday rotating mirror can reflect light in an orthogonal polarization direction of 90° relative to the incident light state of polarization (SOP); it has low

Single Mode Fiber Price, 2026 Single Mode Fiber Price Manufacturers ...

You gain latest optical fiber specifications, tracking top market trends, and direct wholesale access for competitive pricing. For industry-leading electrical buyers, submit an inquiry to check availability.

Fiber optic mirror

Shop high-quality fiber optic mirrors for precision and reliability. Find durable, low-price options for your optical instrument needs. Perfect for fiber networks.

1550nm Single-mode Fiber Faraday Rotating Mirror

1550nm Single-mode Fiber Faraday Rotating Mirror FRM Rotation Angle Optional This fiber faraday rotating mirror can minimize polarization state changes in

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Single-Mode Fibers for Precise Light Transport — FindLight

Aluminum-coated single-mode optical fibers have all the benefits of optical fibers include increased mechanical strength and greater fatigue resistance. Their transmittance covers a spectral range of

Fiber Optic Retroreflectors

Our retroreflectors are available with single mode (SM), polarization-maintaining (PM), or multimode (MM) fiber. The ferrule on one end of the fiber is coated with

How Much Do Single-Mode Fiber Optic Cables Cost?

The cost of single-mode fiber optic cables is influenced by factors such as construction type 7, application, and additional features. Bulk cables

Fiber Cavities

Cavity fiber mirrors with custom high reflective coating (also uncoated), profile (radius of curvature, depth) and optionally with tapered tip, protection, or a connector, Multi-mode or single mode fibers,

Singlemode Fiber Optic Cables – Mouser

Singlemode Fiber Optic Cables are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Singlemode Fiber Optic Cables.

Contact Us

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

