

Where to buy a 1 2 beam splitter



AI Overview

You can purchase a 1:2 beam splitter from major optical component suppliers such as Thorlabs, Edmund Optics, DigiKey, and Newport, which offer a variety of cube, plate, and pellicle models.

Supplier Options

1. Thorlabs Thorlabs offers a wide range of optical beamsplitters, including cube, plate, and pellicle types. Their plate beamsplitters have a coated front surface that determines the splitting ratio, while cube beamsplitters are available in polarizing or non-polarizing models. Many of their products are premounted and compatible with lens tube and cage systems, making them convenient for laboratory setups.
2. Edmund Optics Edmund Optics provides standard, dichroic, polarizing, and non-polarizing beamsplitters. They offer plate, cube, pellicle, and specialty prism designs with anti-reflection coatings suitable for UV, visible, or IR wavelengths. Their standard beamsplitters can split light by a specified ratio, such as 1:2, independent of wavelength or polarization.
3. DigiKey DigiKey stocks a large selection of beamsplitters, which can be filtered by type (cube or plate) and wavelength. They provide real-time inventory, pricing, and same-day shipping options, making it convenient for quick procurement.
4. Newport Newport offers cube and plate beamsplitters with polarizing or non-polarizing coatings. Their cubes are made from precision right-angle prisms, and plate beamsplitters feature a coated front surface to define the splitting ratio. They also provide dichroic options for wavelength-dependent splitting.

Considerations When Buying

- Type: Cube, plate, or pellicle depending on your setup and beam alignment requirements.
- Splitting Ratio: Ensure the product specifies a 1:2 ratio or equivalent.
- Polarization: Decide between polarizing or non-polarizing based on your application.
- Wavelength Range: Check that the coating is compatible with your laser or light source.
- Mounting: Premounted cubes or plates can simplify integration into optical systems.

By selecting from these suppliers, you can find a 1:2 beam splitter that meets your technical requirements...

Article Content

Beamsplitters | Optics | DigiKey

Shop DigiKey's large in-stock selection of Beamsplitters. View inventory, pricing and order now for same day shipping!

Beamsplitter

Beamsplitters operate by splitting light based on reflection/transmission (R/T) ratios or specific properties like polarization or wavelength. Available in cube and plate

Beam Splitters

Beam Splitters from the leading manufacturers are listed below. Use the filters to narrow down on products based on your requirement. Download datasheets and request quotes for products that you

Beamsplitters

In addition to the beamsplitters, Holmarc provides beam samplers to take off a sample of light by Fresnel reflection. All the beamsplitters are coated with Anti

Beam Splitters

Beam Splitters Showing 1-10 of 21 item (s) 1 2 3 OSE-NPCH Non-polarizing Cube Half Mirrors Half mirrors have a uniform 1:1 ratio of reflection and transmission

Beam splitter

Beam splitter Schematic illustration of a beam splitter cube. 1 - Incident light 2 - 50% transmitted light 3 - 50% reflected light In practice, the reflective layer absorbs

Thorlabs · Optical Beamsplitters

Thorlabs offers a wide range of optical beamsplitters. Our plate beamsplitters have a coated front surface that determines the beam splitting ratio while the back

Beam Splitter Selection Guide

Our beam splitters are made from high grade glass material with laser grade surface flatness & surface quality for tighter tolerance on the splitting ratio.

Optical Beamsplitters | Beamsplitter Selection | Edmund

Find top-quality Beamsplitters for laser systems & more. Shop a variety of beamsplitters at Edmund Optics for precision light splitting needs. [Click Here!](#)

Penta Prism Beamsplitters

I'd like to adhere two prisms together, how can I effectively achieve this? Is there a specific adhesive that you recommend? What are Beamsplitters? Optical

What are Beamsplitters?

Beamsplitter Construction | Types of Beamsplitters Beamsplitters are optical components used to split incident light at a designated ratio into two separate

Plate and Laser Beamsplitters | Edmund Optics

Plate Beamsplitters designed for imaging, industrial, or life science applications are available at Edmund Optics. Explore our selection today.

Beam Splitters | Polarizing | Dichroic | LightMachinery

Beam splitters take on many forms; cubes, plates, hexagons, pentagons, polarizing, non -polarizing (usually somewhere in between), narrowband, broadband,

OptoSigma

A beam splitter or beamsplitter is an optical component that is used for splitting an incident light beam in two directions. Beamsplitters are used to separate the light

Beamsplitters

Beam splitters separate a beam of light by wavelength, power, or polarization into two orthogonal beams. The properties of the divided beams depend both on the

Laser Beamsplitters

Laser beamsplitters are ideal for separating a single laser beam into to separate beams. Learn more about our laser beamsplitters technologies at Edmund Optics.

Beamsplitters

Precision Optical offers a wide selection of both standard and custom beam splitters of the following varieties: Cube, periscope, and penta prism

Beam Splitters - Buyer's Guide & Supplier List | RP Photonics

This buyer's guide for beam splitters provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

Beam Splitter Selection Guide

Newport offers a wide variety of Beamsplitters in various shapes. Circular beamsplitters, plate beamsplitters and cube beamsplitters can be purchased for polarizing or non polarizing beamsplitting

Plate Beamsplitters

Optical components that create two beams by splitting incident light are beamsplitters. Read more about the different types of beamsplitters at Edmund

Cube Beamsplitters

Cube Beamsplitters are a type of Beamsplitter used in many life science or laser applications. Cube Beamsplitters are used to split incident light into two separate

HOLO/OR Diffractive Beamsplitters

HOLO/OR Diffractive Beamsplitters are diffractive optical elements (DOE) that split an input laser beam into several beams, known as diffraction orders. These

Plate Beam Splitters

The standard range of beam splitter plates is crafted from sheet white float glass substrates, typically available in 1, 2, and 3mm thicknesses. For applications

Optical Beamsplitter

Terms Privacy California Transparency Act Support: (877)835-9620 Mon.-Fri. 5am - 5pm PST

Photography With Classic Lenses | # 1942 S/N 588053 Leica

1942 S/N 588053 Leica summitar This lens is coated but its single coat, factory experimental wartime coating. no scratches on it or cleaning marks though! seems a bit soft to me.

Beam Splitters

When working with lasers, it is often necessary to split a laser beam into two or more defined partial beams. There are a variety of beam splitters for these applications, with different advantages and

Beam Splitters

Beam splitter cubes can be used for simple light beams, and also for beams carrying images, e.g. in various types of cameras and projectors. Cube beam splitters cannot tolerate high optical powers as

Contact Us

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