

TECHSPEC® 50 x 50mm 20R/80T, NIR Plate Beamsplitter



Visible and NIR Plate Beamsplitters

Stock #68-376 **14 In Stock**

⊖ 1 ⊕ \$457⁰¹

ADD TO CART

Volume Pricing	
Qty 1-5	\$457.01 each
Qty 6-25	\$358.44 each
Qty 26-99	\$331.56 each
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SPECIFICATIONS

General

Note:
Beamsplitter-coated side is marked with a black dot

Standard Beamsplitter

Type:

Physical & Mechanical Properties

>85 **Clear Aperture (%)**

Plate **Construction:**

50.0 x 50.0 +0.0/-0.25 **Dimensions (mm):**

Cut with 0.25mm maximum edge chip **Edges:**

≤3 **Parallelism (arcmin):**

3.00 ±0.25 **Thickness (mm):**

Optical Properties

45 **Angle of Incidence (°):**

Coating Specification:
Surface 1: 20/80 ±5% @ 900nm, ±10% @ 700 - 1100nm
Surface 2: AR $R_{avg} \leq 1\%$, $R_{abs} \leq 2\%$ @ 700 - 1100nm

20/80 **Reflection/Transmission Ratio (R/T):**

N-BK7 **Substrate:**

1λ per inch **Surface Flatness (P-V):**

60-40 **Surface Quality:**

700 - 1100 **Wavelength Range (nm):**

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

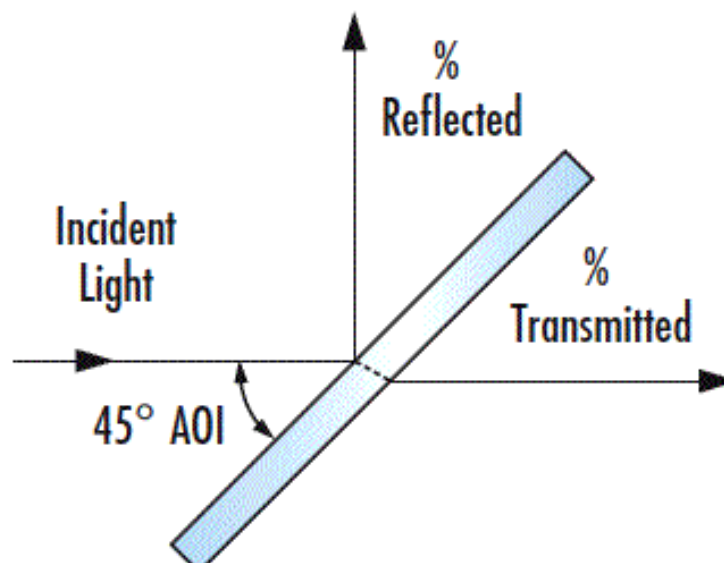
Compliant **Reach 247:**

PRODUCT DETAILS

- Many Beamsplitting Ratios Available
- Visible and NIR Coating Options Offered
- Multi-Layer AR Coated Second Surface
- [C-Mounted Plate Beamsplitters](#) Also Available

TECHSPEC® Visible and NIR Plate Beamsplitters are ideal for dual magnification [imaging](#) systems and for combining low power [laser](#) beams. These beamsplitters offer the optimum combination of polished, high-quality optical-grade glass with minimum substrate thickness. The broadband dielectric coatings provide maximum throughput, are ideal for minimizing ghost images, and have much less energy loss than metallic coatings. TECHSPEC® Visible and NIR Plate Beamsplitters are coated on their back surfaces with a multi-layer anti-reflection (AR) coating, reducing back reflections to less than 1.0% for each wavelength range. Note that for easy identification, the coated side of the beamsplitter is marked with a black dot.

TECHNICAL INFORMATION



CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

COMPATIBLE MOUNTS
