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TECHSPEC<sup>®</sup>

50 x 50mm 20R/80T, VIS Plate Beamsplitter



Visible and NIR Plate Beamsplitters

Stock **#68-375** **9 In Stock**

-

1

+

C\$442<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$442.40 each                |
| Qty 6-25       | C\$347.20 each                |
| Qty 26-99      | C\$319.20 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Note:

Beamsplitter-coated side is marked with a black dot

Type:

Standard Beamsplitter

Physical & Mechanical Properties

Clear Aperture (%):

>85

|                                   |                       |
|-----------------------------------|-----------------------|
|                                   | Construction:         |
| Plate                             |                       |
|                                   | Dimensions (mm):      |
| 50.0 x 50.0 +0.0/-0.25            |                       |
|                                   | Edges:                |
| Cut with 0.25mm maximum edge chip |                       |
|                                   | Parallelism (arcmin): |
| ≤3                                |                       |
|                                   | Thickness (mm):       |
| 3.00 ±0.25                        |                       |

|                                                                        |                                      |
|------------------------------------------------------------------------|--------------------------------------|
| Optical Properties                                                     |                                      |
|                                                                        | Angle of Incidence (°):              |
| 45                                                                     |                                      |
|                                                                        | Coating Specification:               |
| Surface 1: 20/80 ±5% @ 550nm, ±10% @ 400 - 700nm                       |                                      |
| Surface 2: AR R <sub>avg</sub> ≤1%, R <sub>abs</sub> ≤2% @ 400 - 700nm |                                      |
|                                                                        | Reflection/Transmission Ratio (R/T): |
| 20/80                                                                  |                                      |
|                                                                        | Substrate: <input type="checkbox"/>  |
| N-BK7                                                                  |                                      |
|                                                                        | Surface Flatness (P-V):              |
| 1λ per inch                                                            |                                      |
|                                                                        | Surface Quality:                     |
| 60-40                                                                  |                                      |
|                                                                        | Wavelength Range (nm):               |
| 400 - 700                                                              |                                      |

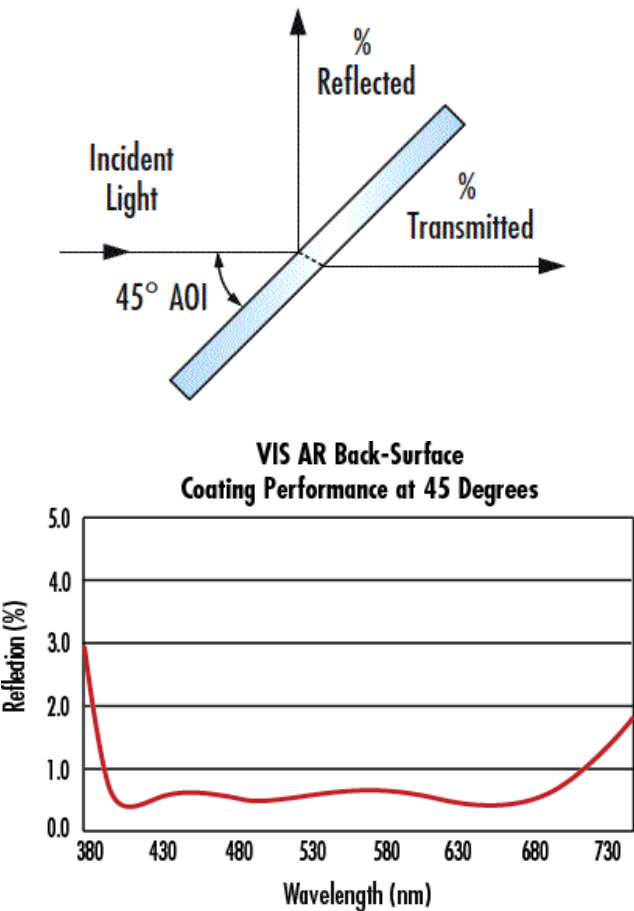
|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
|                       | RoHS 2015:                  |
| Compliant             |                             |
|                       | Certificate of Conformance: |
| View                  |                             |
|                       | Reach 247:                  |
| Compliant             |                             |

## 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

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