

TECHSPEC<sup>®</sup> 12.5 x 17.5mm 20R/80T, VIS Plate Beamsplitter



Visible and NIR Plate Beamsplitters

Stock **#68-365** 20+ In Stock

-

1

+

€154<sup>.50</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €154,50 each                  |
| Qty 6-25       | €121,54 each                  |
| Qty 26-99      | €111,24 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

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

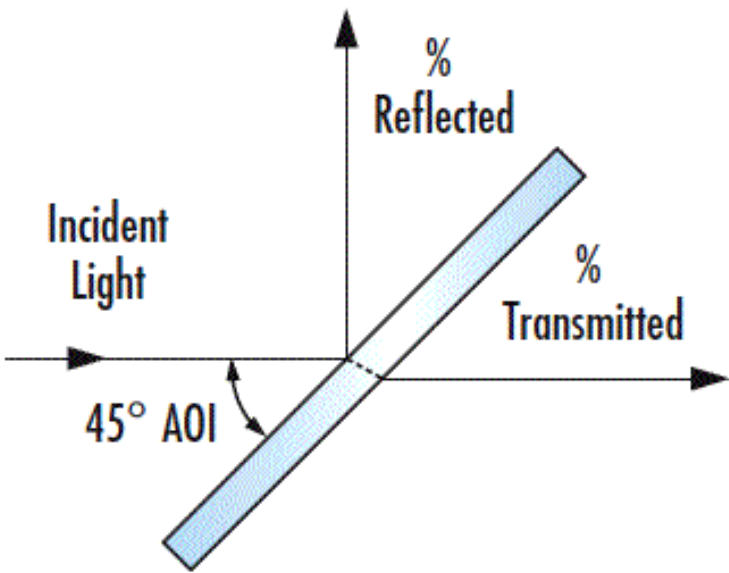
|                                      |  |                                                                                                                            |
|--------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|
| Standard Beamsplitter                |  | Type:                                                                                                                      |
| Physical & Mechanical Properties     |  |                                                                                                                            |
| Clear Aperture (%):                  |  | >85                                                                                                                        |
| Construction:                        |  | Plate                                                                                                                      |
| Dimensions (mm):                     |  | 12.5 x 17.5 +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<br>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="text"/>      |  | 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:          |  | <a href="#">View</a>                                                                                                       |
| Reach 247:                           |  | Compliant                                                                                                                  |

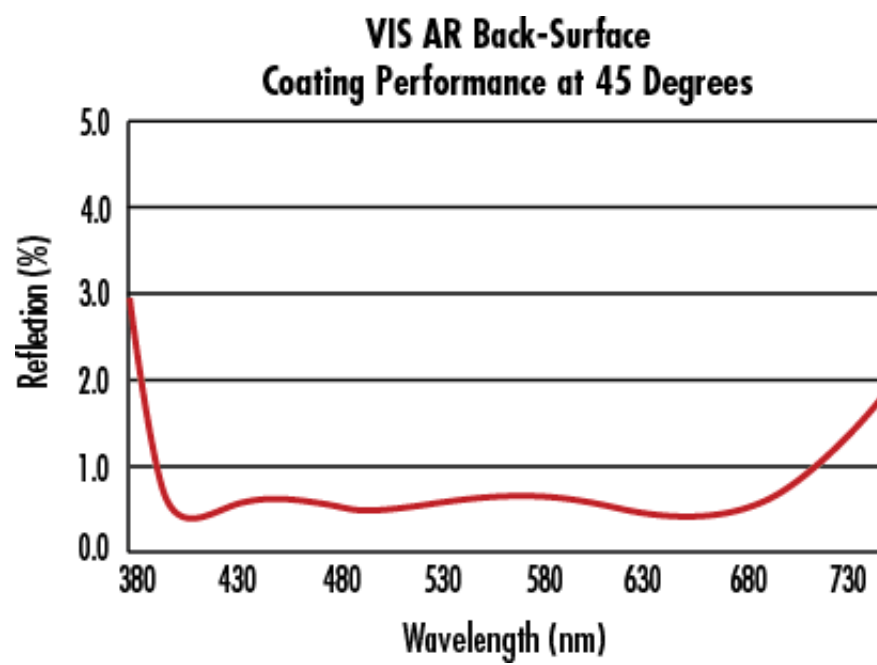
## PRODUCT DETAILS

- 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