

**TECHSPEC® 12.5mm Dia 80R/20T, VIS Plate Beamsplitter**



Visible and NIR Plate Beamsplitters

Stock **#68-417** **6 In Stock**

⊖ 1 ⊕ €121<sup>54</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€121,54 each
Qty 6-25	€96,82 each
Qty 26-99	€87,55 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

>85 **Clear Aperture (%):**

Plate **Construction:**

12.50 **Diameter (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: 80/20 ±5% @ 550nm, ±10% @ 400 - 700nm  
Surface 2: AR  $R_{avg} \leq 1\%$ ,  $R_{abs} \leq 2\%$  @ 400 - 700nm

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

[N-BK7](#) **Substrate:**

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

60-40 **Surface Quality:**

400 - 700 **Wavelength Range (nm):**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

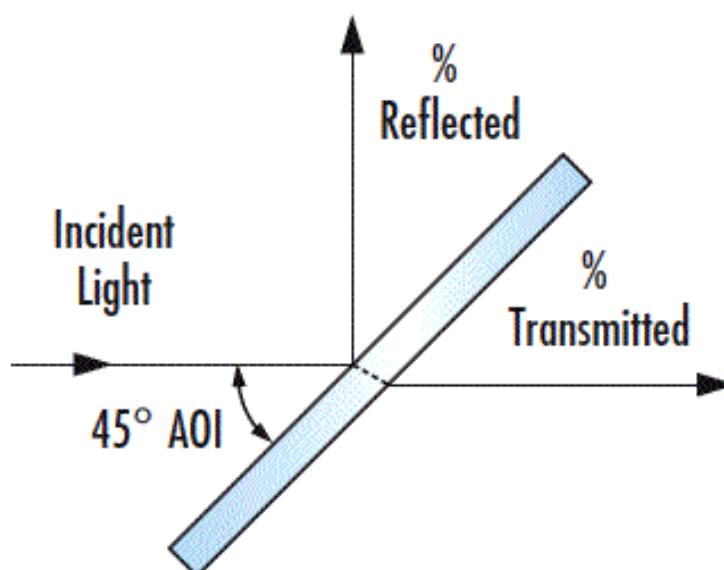
[Compliant](#) **Reach 247:**

## PRODUCT DETAILS

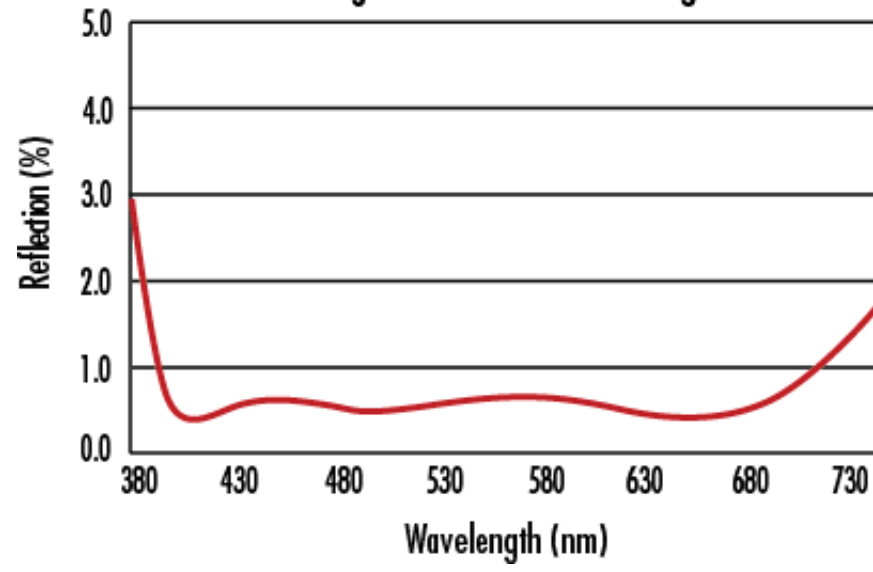
- Many Beamsplitting Ratios Available
- Visible and NIR Coating Options Offered
- Multi-Layer AR Coated Second Surface
- [C-Mounted Plate Beamsplitters](#) Also Available

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



### VIS AR Back-Surface Coating Performance at 45 Degrees



### 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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