

**TECHSPEC® 12.5 x 17.5mm 70R/30T, VIS Plate Beamsplitter**



Visible and NIR Plate Beamsplitters

Stock **#35-950** **6 In Stock**

⊖ 1 ⊕ €149<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€149,00 each
Qty 6-25	€116,00 each
Qty 26-99	€108,00 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

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):**

12.5 x 17.5 +0.0/-0.25

**Edges:**

Cut with 0.25mm maximum edge chip

**Parallelism (arcmin):**

≤3

**Thickness (mm):**

1.00 ±0.1

**Optical Properties**

**Angle of Incidence (°):**

45

**Coating Specification:**

Surface 1: 70/30 ±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):**

70/30

**Substrate:** □

**N-BK7**

**Surface Flatness (P-V):**

2λ per inch

**Surface Quality:**

60-40

**Wavelength Range (nm):**

400 - 700

**Regulatory Compliance**

**RoHS 2015:**

**Compliant**

**Certificate of Conformance:**

**View**

**Reach 247:**

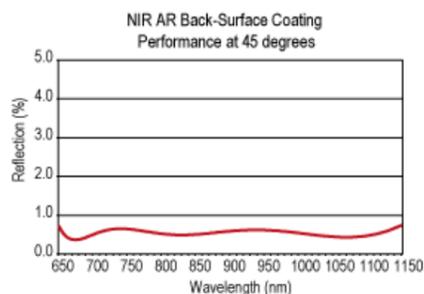
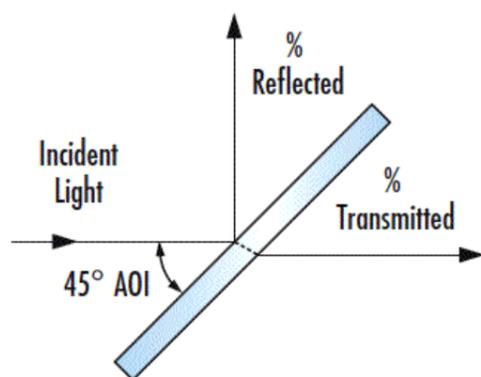
**Compliant**

**Product Details**

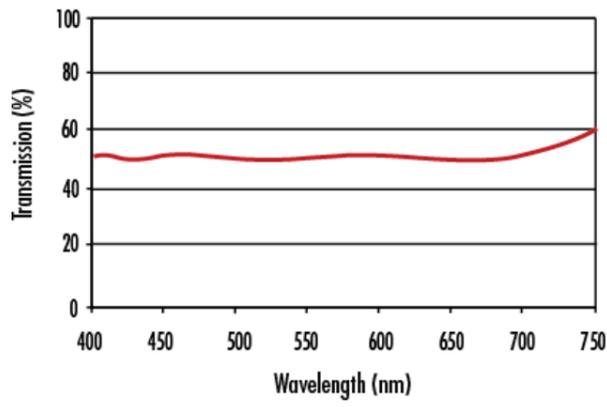
- Many Beamsplitting Ratios Available
- Visible and NIR Coating Options Offered
- Multi-Layer AR Coated Second Surface
- **C-Mounted Plate Beamsplitters** Also Available

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.

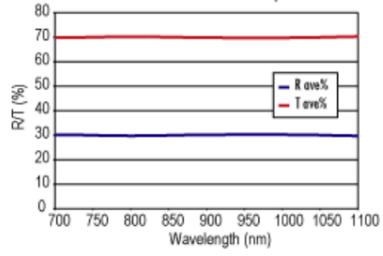
**Technical Information**



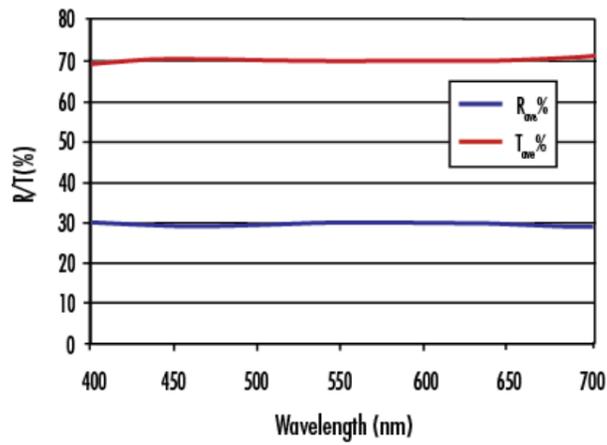
**VIS 50R/50T Transmitted**



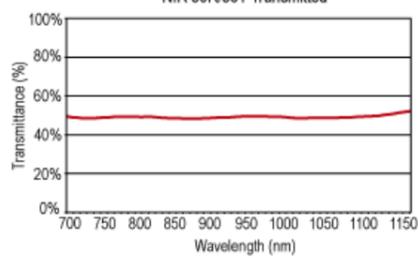
**NIR 30R/70T Beamsplitter**



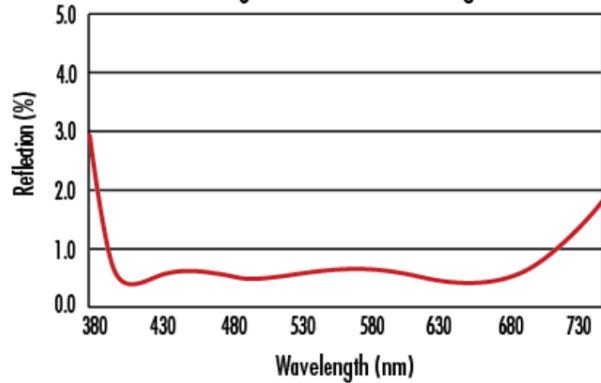
**VIS 30R/70T Beamsplitter**



**NIR 50R/50T Transmitted**



**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