

**TECHSPEC® 50 x 50mm 50R/50T, VIS Plate Beamsplitter**



Visible and NIR Plate Beamsplitters

Stock **#35-946** **20+ In Stock**

⊖ 1 ⊕ **A\$420<sup>00</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>A\$420.80</b> each
Qty 6-25	<b>A\$328.00</b> each
Qty 26-99	<b>A\$304.00</b> each
Need More?	<a href="#">Request Quote</a>

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:**

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

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

≤3 **Parallelism (arcmin):**

1.00 ±0.1 **Thickness (mm):**

## Optical Properties

45 **Angle of Incidence (°):**

**Coating Specification:**  
Surface 1: 50/50 ±5% @ 550nm, ±10% @ 400 - 700nm,  
Surface 2: AR  $R_{avg} \leq 1\%$ ,  $R_{abs} \leq 2\%$  @ 400 - 700nm

50/50 **Reflection/Transmission Ratio (R/T):**

**Substrate:**   
N-BK7

2λ per inch **Surface Flatness (P-V):**

60-40 **Surface Quality:**

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

## Regulatory Compliance

**RoHS 2015:**  
Compliant

**Certificate of Conformance:**  
View

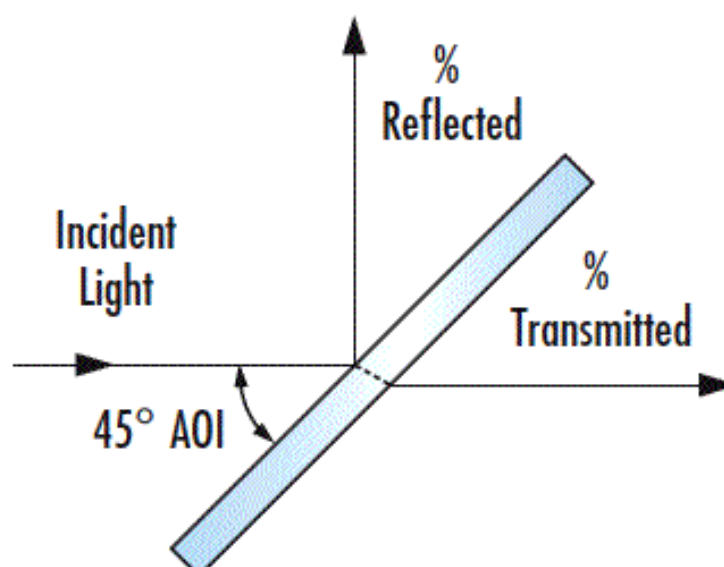
**Reach 247:**  
Compliant

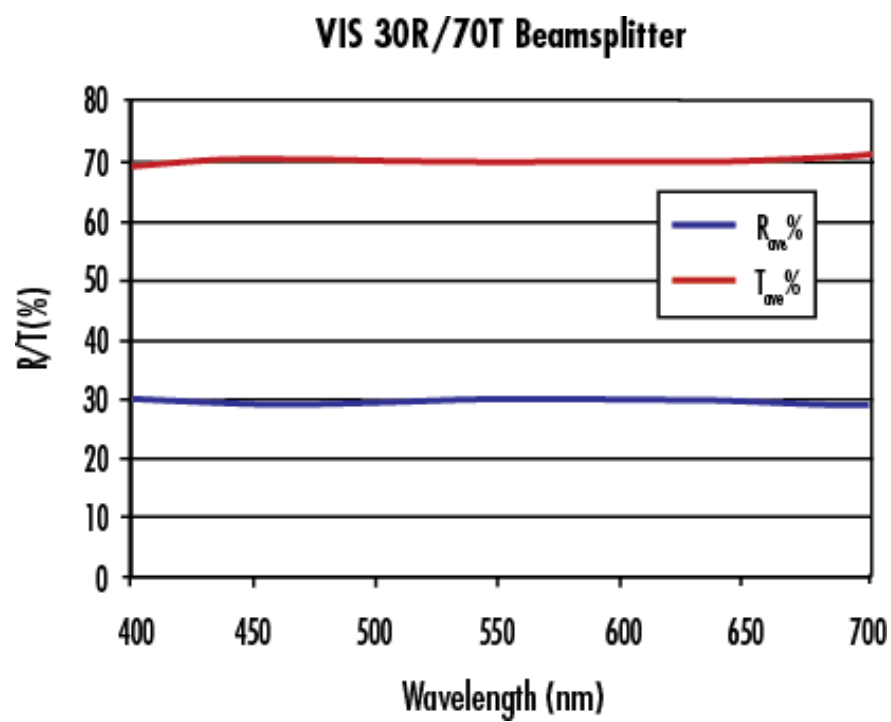
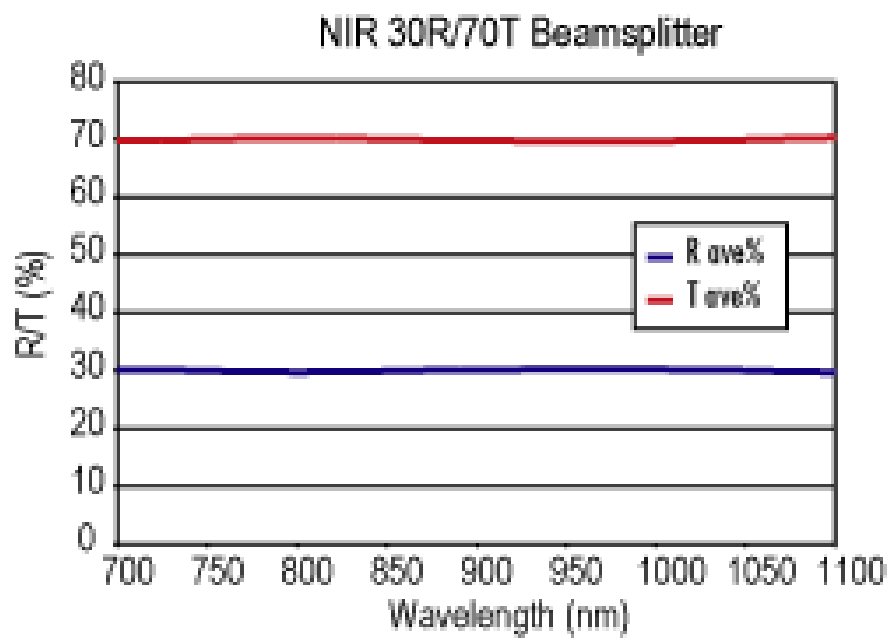
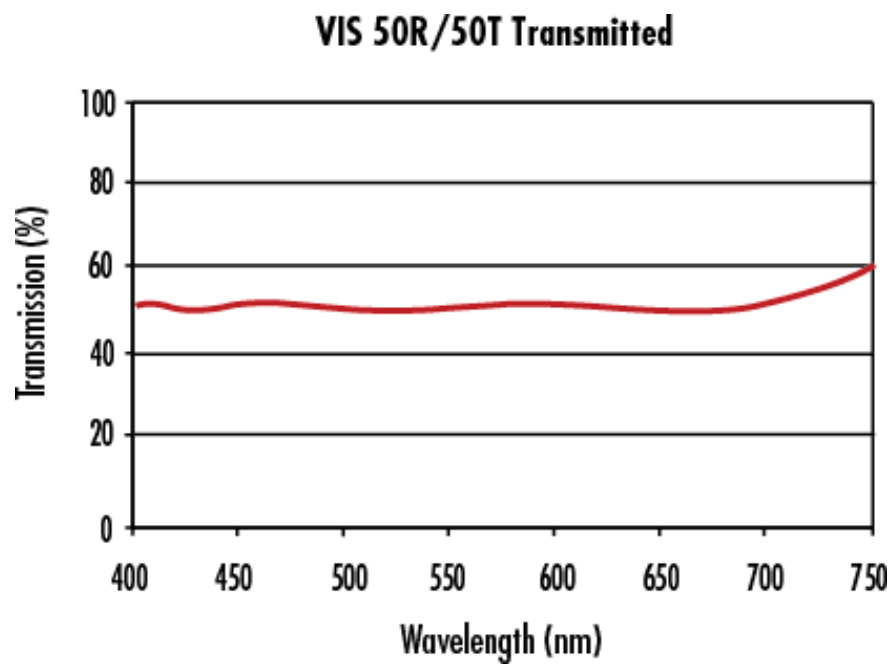
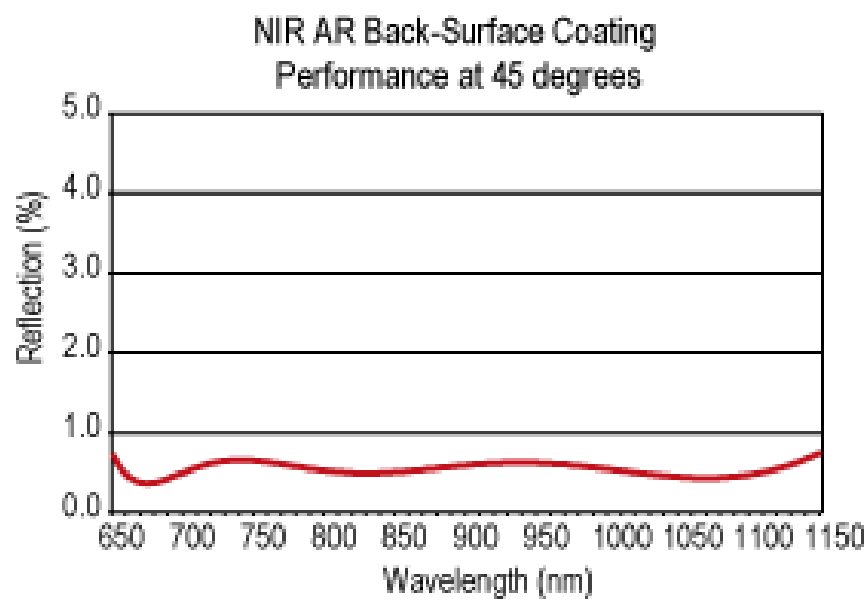
## PRODUCT DETAILS

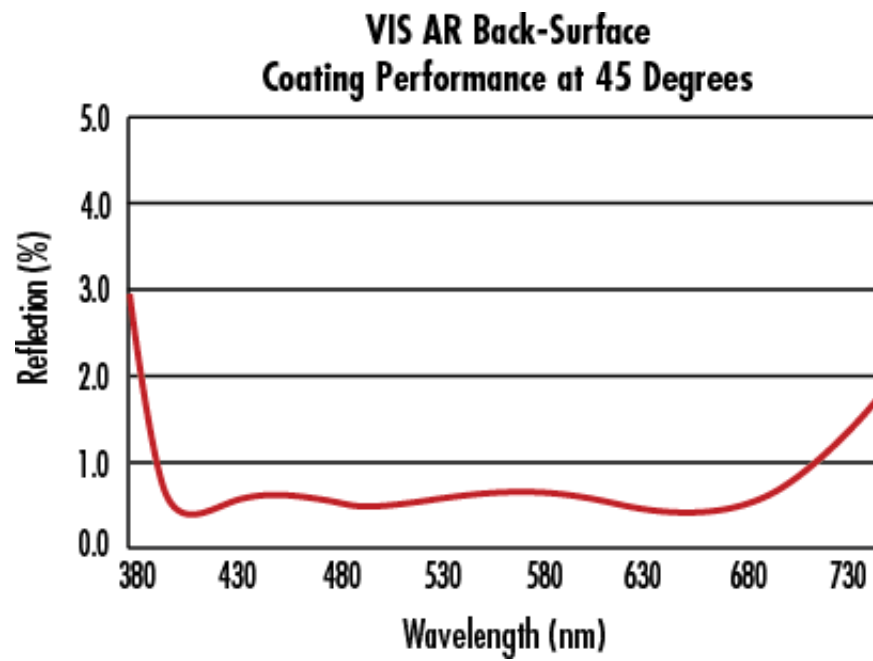
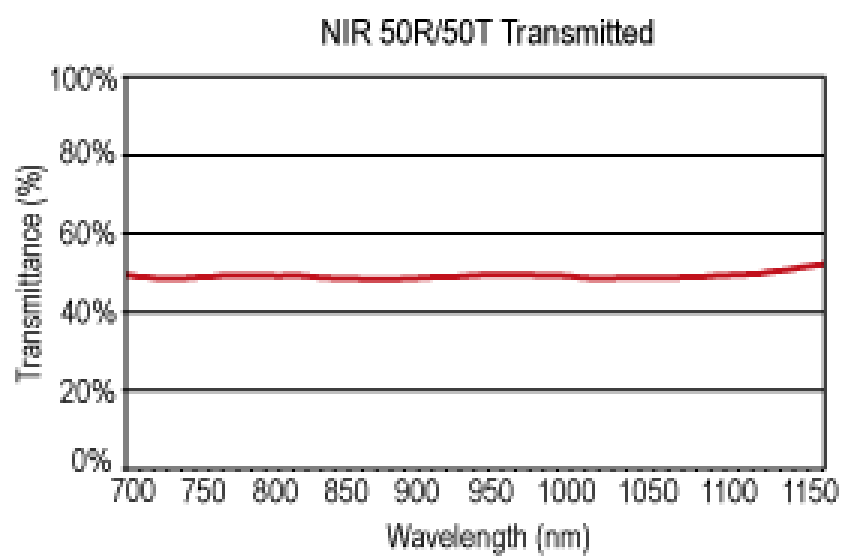
- Many Beamsplitting Ratios Available
- Visible and NIR Coating Options Offered
- Multi-Layer AR Coated Second Surface
- [C-Mounted Plate Beamsplitters](#) Also Available

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