

**TECHSPEC® 12.5 x 17.5mm 60R/40T, NIR Plate Beamsplitter**



Visible and NIR Plate Beamsplitters

Stock #68-402 **11 In Stock**

⊖ 1 ⊕ C\$225<sup>ST</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	C\$225.57 each
Qty 6-25	C\$178.08 each
Qty 26-99	C\$163.24 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:**

12.5 x 17.5 +0.0/-0.25 **Dimensions (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: 60/40 ±5% @ 900nm, ±10% @ 700 - 1100nm  
Surface 2: AR  $R_{avg} \leq 1\%$ ,  $R_{abs} \leq 2\%$  @ 700 - 1100nm

60/40 **Reflection/Transmission Ratio (R/T):**

N-BK7 **Substrate:**

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

60-40 **Surface Quality:**

700 - 1100 **Wavelength Range (nm):**

## Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

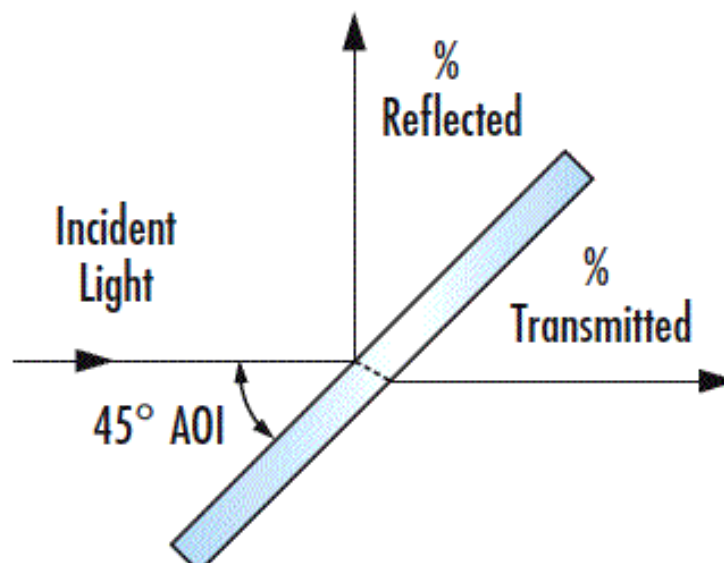
Compliant **Reach 247:**

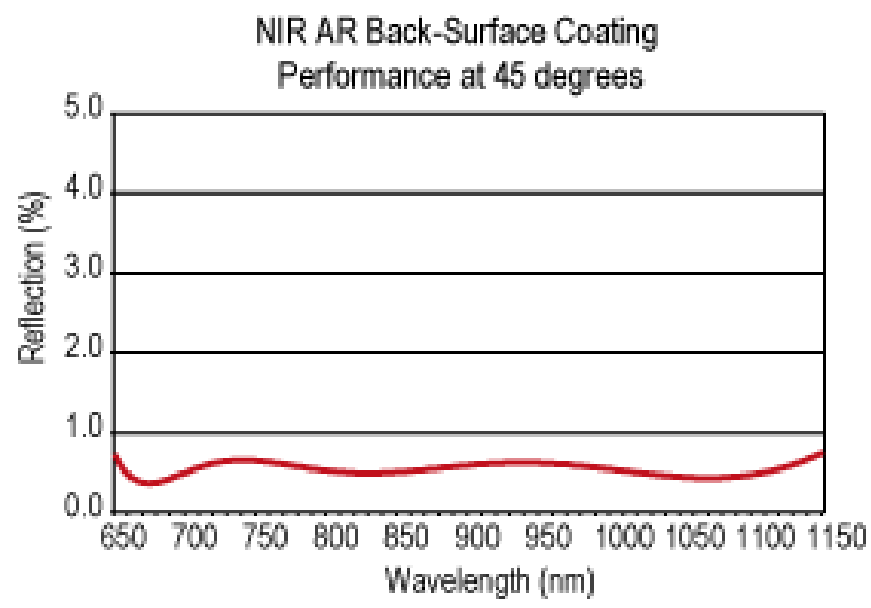
## PRODUCT DETAILS

- 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





## 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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