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



Visible and NIR Plate Beamsplitters

Stock **#68-364** **20+ In Stock**

⊖ 1 ⊕ A\$235<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	A\$235.20 each
Qty 6-25	A\$182.40 each
Qty 26-99	A\$168.00 each
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Product Downloads

**General**

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

**Type:**  
Standard Beamsplitter

**Physical & Mechanical Properties**

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

Plate	<b>Construction:</b>
12.50	<b>Diameter (mm):</b>
Cut with 0.25mm maximum edge chip	<b>Edges:</b>
≤3	<b>Parallelism (arcmin):</b>
3.00 ±0.25	<b>Thickness (mm):</b>
<b>Optical Properties</b>	
45	<b>Angle of Incidence (°):</b>
<b>Coating Specification:</b>	
Surface 1: 20/80 ±5% @ 900nm, ±10% @ 700 - 1100nm	
Surface 2: AR R <sub>avg</sub> ≤1%, R <sub>abs</sub> ≤2% @ 700 - 1100nm	
20/80	<b>Reflection/Transmission Ratio (R/T):</b>
<b>N-BK7</b>	<b>Substrate:</b> <input type="checkbox"/>
1λ per inch	<b>Surface Flatness (P-V):</b>
60-40	<b>Surface Quality:</b>
700 - 1100	<b>Wavelength Range (nm):</b>

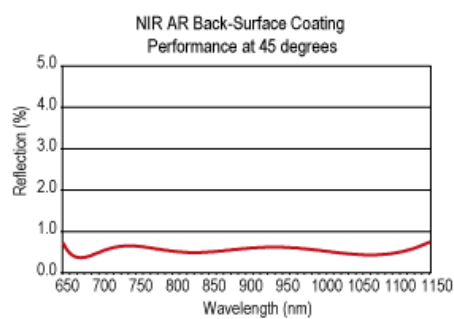
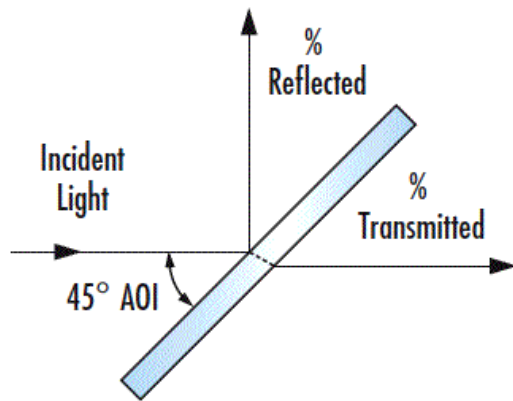
<b>Regulatory Compliance</b>	
<b>Compliant</b>	<b>RoHS 2015:</b>
<b>View</b>	<b>Certificate of Conformance:</b>
<b>Compliant</b>	<b>Reach 247:</b>

## 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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