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TECHSPEC® 12.5 x 17.5mm 20R/80T, NIR Plate Beamsplitter

Visible and NIR Plate Beamsplitters

Stock **#68-366** **20+ In Stock**

- 1 + **A$286.40**

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Volume Pricing	
Qty 1-5	**A$286.40** each
Qty 6-25	**A$224.00** each
Qty 26-99	**A$208.00** 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

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):
3.00 ±0.25

Optical Properties

Angle of Incidence (°):
45

Coating Specification:
Surface 1: 20/80 ±5% @ 900nm, ±10% @ 700 - 1100nm
Surface 2: AR R_{avg} ≤1%, R_{abs} ≤2% @ 700 - 1100nm

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

Substrate:
N-BK7

Surface Flatness (P-V):
1λ per inch

Surface Quality:
60-40

Wavelength Range (nm):
700 - 1100

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

Need different specs or modifications?

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

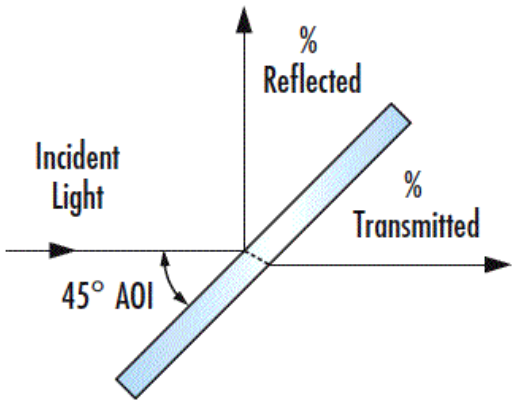
Learn more about our custom manufacturing capabilities or submit an inquiry here.

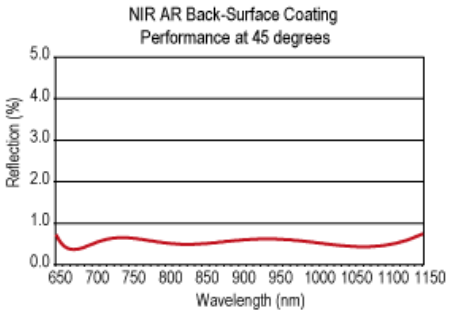
Product Details

- 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





Compatible Mounts

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