

TECHSPEC[®] 12.5mm Dia 50R/50T, NIR Plate Beamsplitter



Visible and NIR Plate Beamsplitters

Stock **#47-024** 20+ In Stock

-

1

+

€114³³

ADD TO CART

Volume Pricing	
Qty 1-5	€114,33 each
Qty 6-25	€89,61 each
Qty 26-99	€83,43 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

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

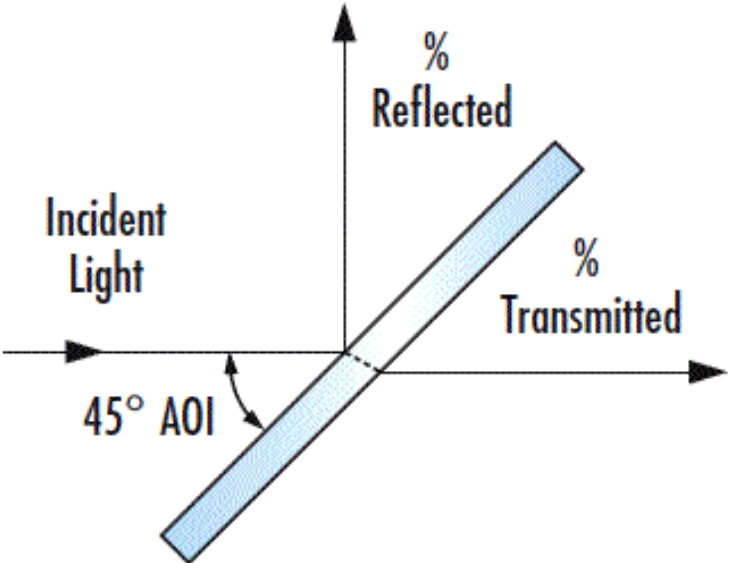
Standard Beamsplitter		Type:
Physical & Mechanical Properties		
Clear Aperture (%):		>85
Construction:		Plate
Diameter (mm):		12.50
Edges:		Cut with 0.25mm maximum edge chip
Parallelism (arcmin):		≤3
Thickness (mm):		3.00 ±0.25
Optical Properties		
Angle of Incidence (°):		45
Coating Specification:		Surface 1: 50/50 ±5% @ 900nm, ±10% @ 700 - 1100nm Surface 2: AR R _{avg} ≤1%, R _{abs} ≤2% @ 700 - 1100nm
Reflection/Transmission Ratio (R/T):		50/50
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

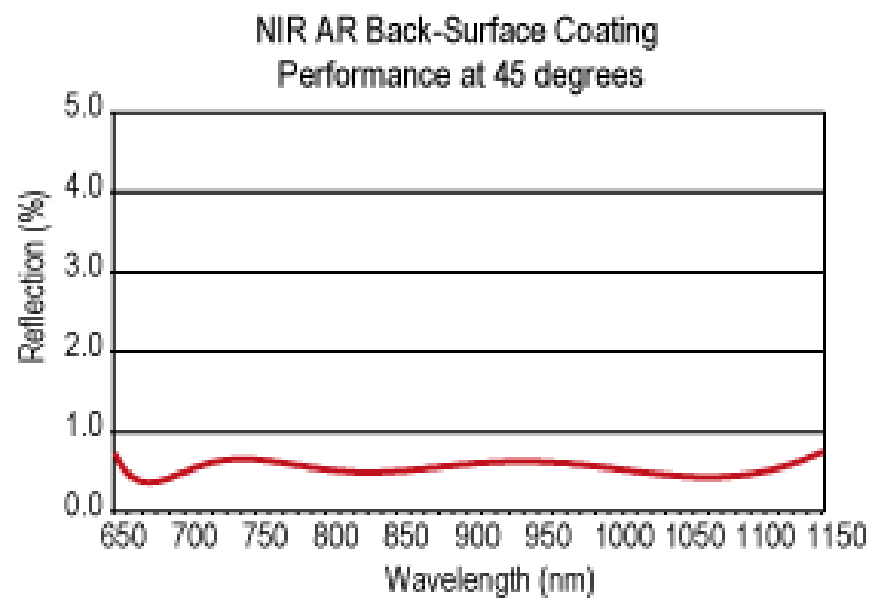
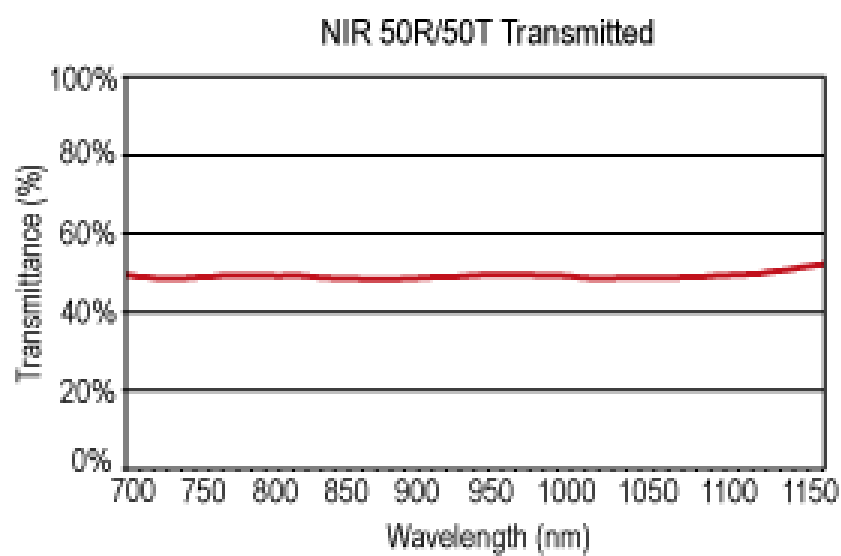
PRODUCT DETAILS

- 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