

TECHSPEC[®] 25mm Dia 50R/50T, VIS Plate Beamsplitter



Visible and NIR Plate Beamsplitters

Stock #35-942 17 In Stock

-

1

+

A\$217⁶⁰

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Volume Pricing	
Qty 1-5	A\$217.60 each
Qty 6-25	A\$172.80 each
Qty 26-99	A\$156.80 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	
	Diameter (mm):
25.00	
	Edges:
Cut with 0.25mm maximum edge chip	
	Parallelism (arcmin):
≤3	
	Thickness (mm):
1.00 ±0.1	

Optical Properties	
	Angle of Incidence (°):
45	
	Coating Specification:
Surface 1: 50/50 ±5% @ 550nm, ±10% @ 400 - 700nm, Surface 2: AR R _{avg} ≤1%, R _{abs} ≤2% @ 400 - 700nm	
	Reflection/Transmission Ratio (R/T):
50/50	
	Substrate: ☐
N-BK7	
	Surface Flatness (P-V):
2λ per inch	
	Surface Quality:
60-40	
	Wavelength Range (nm):
400 - 700	

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

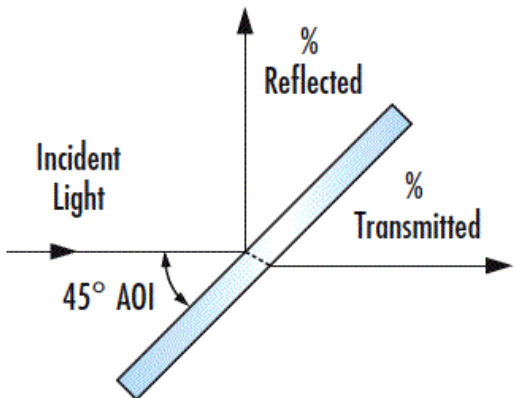
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

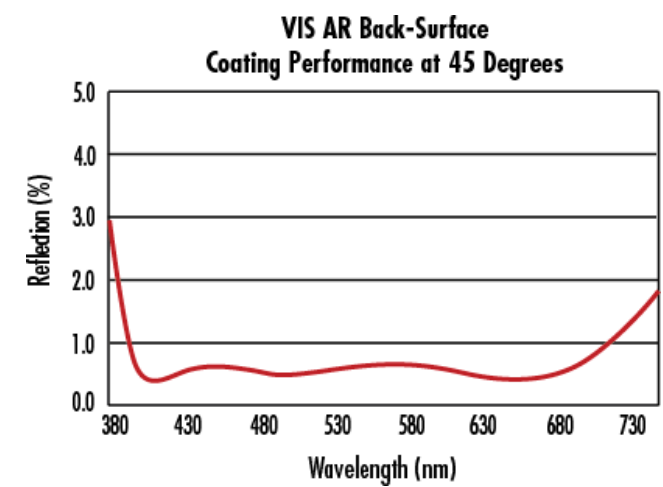
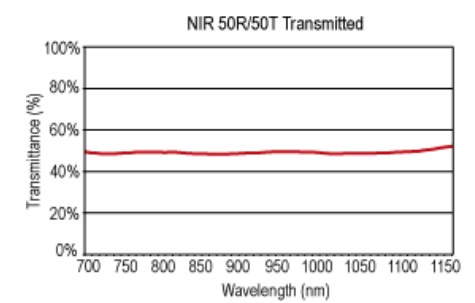
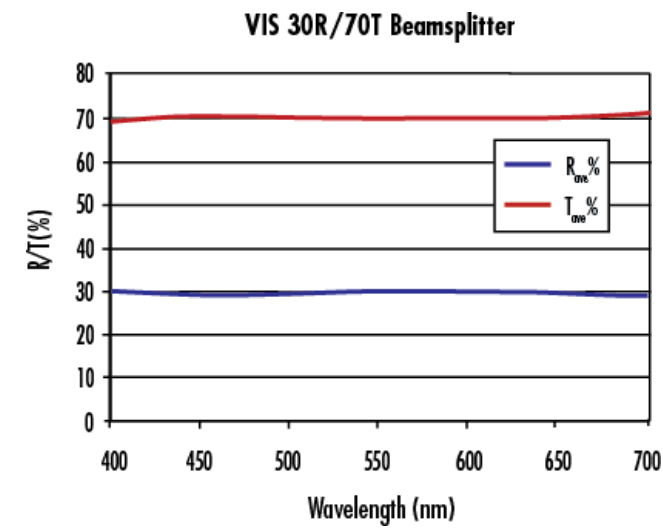
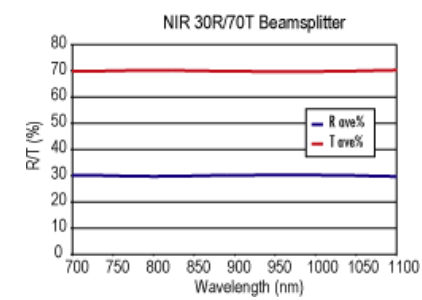
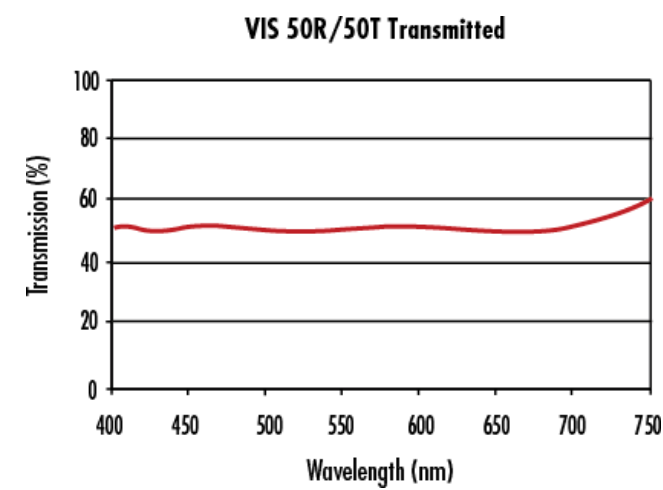
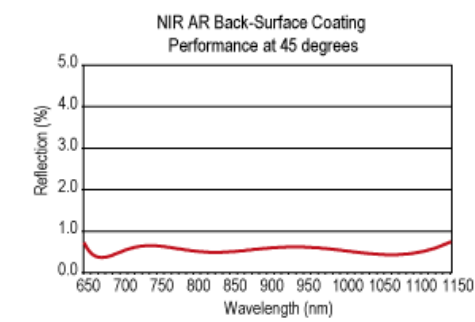
Product Details

- 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