

TECHSPEC® 75 x 75mm 50R/50T, VIS Plate Beamsplitter



Visible and NIR Plate Beamsplitters

Stock **#48-904** **9 In Stock**

⊖ 1 ⊕ ₹27,990

ADD TO CART

Volume Pricing	
Qty 1-5	₹27,990 each
Qty 6-25	₹21,870 each
Qty 26-99	₹20,250 each
Need More?	Request Quote

Product Downloads

General

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

Type:
Standard Beamsplitter

Physical & Mechanical Properties

Clear Aperture (%):
>85

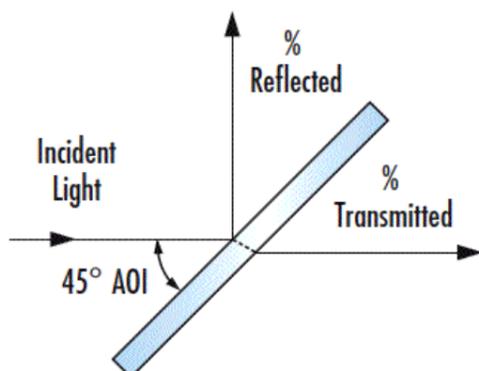
Plate	Construction:
75.0 x 75.0 +0.0/-0.25	Dimensions (mm):
Cut with 0.25mm maximum edge chip	Edges:
≤3	Parallelism (arcmin):
3.00 ±0.25	Thickness (mm):
Optical Properties	
45	Angle of Incidence (°):
Surface 1: 50/50 ±5% @ 550nm, ±10% @ 400 - 700nm Surface 2: AR $R_{avg} \leq 1\%$, $R_{abs} \leq 2\%$ @ 400 - 700nm	Coating Specification:
50/50	Reflection/Transmission Ratio (R/T):
N-BK7	Substrate: <input type="checkbox"/>
1λ per inch	Surface Flatness (P-V):
60-40	Surface Quality:
400 - 700	Wavelength Range (nm):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

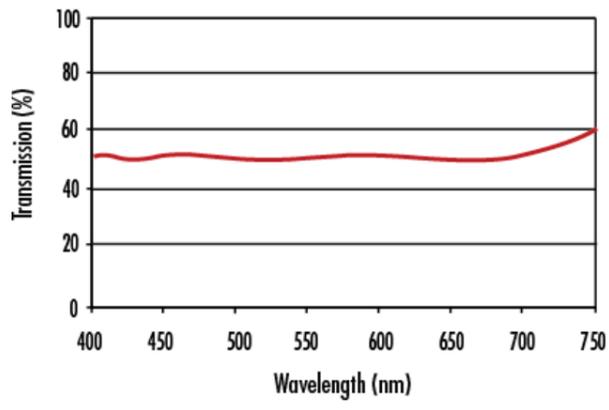
- Many Beamsplitting Ratios Available
- Visible and NIR Coating Options Offered
- Multi-Layer AR Coated Second Surface
- [C-Mounted Plate Beamsplitters](#) Also Available

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.

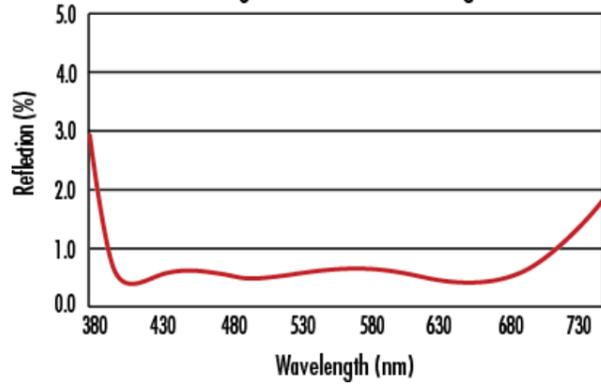
Technical Information



VIS 50R/50T Transmitted



**VIS AR Back-Surface
Coating Performance at 45 Degrees**



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