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TECHSPEC<sup>®</sup> 12.5 x 17.5mm 70R/30T, NIR Plate Beamsplitter



Visible and NIR Plate Beamsplitters

Stock **#48-397** 20+ In Stock

-

1

+

S\$231<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$231.00 each                |
| Qty 6-25       | S\$182.00 each                |
| Qty 26-99      | S\$168.00 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Note:

Beamsplitter-coated side is marked with a black dot

Type:

Standard Beamsplitter

Physical & Mechanical Properties

Clear Aperture (%):

>85

|                                   |                       |
|-----------------------------------|-----------------------|
| Plate                             | Construction:         |
| 12.5 x 17.5 +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 (°):              |
| Coating Specification:<br>Surface 1: 70/30 ±5% @ 900nm, ±10% @ 700 - 1100nm<br>Surface 2: AR R <sub>avg</sub> ≤1%, R <sub>abs</sub> ≤2% @ 700 - 1100nm |                                      |
| 70/30                                                                                                                                                  | Reflection/Transmission Ratio (R/T): |
| N-BK7                                                                                                                                                  | Substrate: <input type="checkbox"/>  |
| 1λ per inch                                                                                                                                            | Surface Flatness (P-V):              |
| 60-40                                                                                                                                                  | Surface Quality:                     |
| 700 - 1100                                                                                                                                             | Wavelength Range (nm):               |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 247:                  |

## 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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