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TECHSPEC® 25 x 35.36 x 1mm NIR, Elliptical Plate Beamsplitter



Elliptical Plate Beamsplitters

Stock **#48-916** **20+ In Stock**

⊖ 1 ⊕ €217⁰⁰

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Volume Pricing	
Qty 1-5	€217,00 each
Qty 6-25	€174,00 each
Qty 26-49	€162,75 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Standard Beamsplitter **Type:**

Physical & Mechanical Properties

>80 **Clear Aperture (%):**

Construction:

Plate

Edges:

Cut with 0.25mm maximum edge chip

Major Axis (mm):

36.36 +0.0/-0.70 (physical length)

Minor Axis (mm):

25.00 +0.0/-0.10

Parallelism (arcmin):

<1

Thickness (mm):

1.00 ±0.1

Optical Properties

Coating:

NIR

Coating Specification:

Surface 1: 50R/50T ($R_{abs} \pm 5\%$ @ 900nm, $R_{avg} \pm 10\%$ @ 700 - 1100nm)
Surface 2: $R_{avg} \leq 1.0\%$, $R_{abs} \leq 2.0\%$ @ 700 - 1100nm

Reflection/Transmission Ratio (R/T):

50/50

Substrate:

N-BK7

Surface Flatness (P-V):

<2λ (per inch)

Surface Quality:

60-40

Wavelength Range (nm):

700 - 1100

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 247:

Compliant

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](#).

Product Details

- Circular Profile at 45°
- Visible and NIR Coating Options Offered
- Ideal for Diffuse Axial and In-line Illumination

TECHSPEC® Elliptical Plate Beamsplitters maximize beamsplitting efficiency while minimizing required mounting space. These beamsplitters are ideal for diffuse axial and in-line illumination. When oriented at 45°, the beamsplitters create a circular aperture equal to the diameter of the minor axis. TECHSPEC® Elliptical Plate Beamsplitters are available with either a visible or NIR 50% reflection/50% transmission beamsplitter coating and feature a high efficiency multi-layer anti-reflection (AR) coating to reduce back reflections. The beamsplitters are offered in either a 1 or 3mm thickness, in a range of major and minor axis measurements and wavelength ranges.

Technical Information



