

TECHSPEC[®] 50 x 70.71 x 1mm VIS, Elliptical Plate Beamsplitter



Elliptical Plate Beamsplitters

Stock **#48-917** **2 In Stock**

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1

+

C\$445²⁰

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Volume Pricing	
Qty 1-5	C\$445.20 each
Qty 6-25	C\$355.60 each
Qty 26-49	C\$333.90 each
Need More?	Request Quote

Product Downloads

General	
Standard Beamsplitter	Type:
Physical & Mechanical Properties	
>85	Clear Aperture (%):
Plate	Construction:

Cut with 0.25mm maximum edge chip	Edges:
71.71 +0.0/-0.70 (physical length)	Major Axis (mm):
50.00 +0.0/-0.10	Minor Axis (mm):
<1	Parallelism (arcmin):

1.00 ±0.1	Thickness (mm):
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Optical Properties

VIS	Coating:
Surface 1: 50R/50T (R _{abs} ±5% @ 550nm, R _{avg} ±10% @ 400 - 700nm) Surface 2: R _{avg} ≤1.0%, R _{abs} ≤2.0% @ 400 - 700nm	Coating Specification:

50/50	Reflection/Transmission Ratio (R/T):
N-BK7	Substrate: □

<2λ (per inch)	Surface Flatness (P-V):
60-40	Surface Quality:

400 - 700	Wavelength Range (nm):
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:

Compliant	Reach 247:
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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

