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TECHSPEC® 50 x 70.71 x 1mm NIR, Elliptical Plate Beamsplitter



Elliptical Plate Beamsplitters

Stock **#48-918** **1 In Stock**

MRP ₹32,992

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹32,992 each
Qty 6-25	₹26,433 each
Qty 26-49	₹24,743 each
Need More?	Request Quote

Product Downloads

General

Standard Beamsplitter **Type:**

Physical & Mechanical Properties

>85 **Clear Aperture (%):**

Construction:

Plate	
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):

Optical Properties

NIR	Coating:
	Coating Specification: Surface 1: 50R/50T (R _{abs} ±5% @ 900nm, R _{avg} ±10% @ 700 - 1100nm) Surface 2: R _{avg} ≤1.0%, R _{abs} ≤2.0% @ 700 - 1100nm
50/50	Reflection/Transmission Ratio (R/T):
N-BK7	Substrate: <input type="checkbox"/>
<2λ (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:
United States	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

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

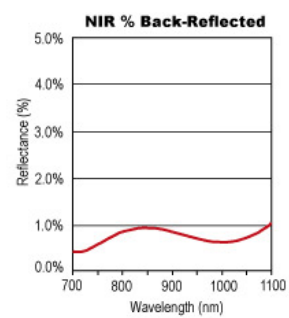
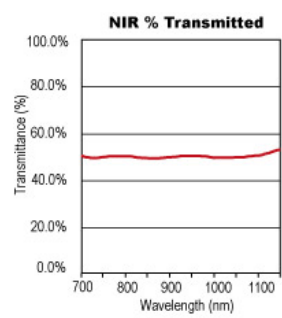
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- 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



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