

TECHSPEC® 12.5 x 17.68 x 1mm NIR, Elliptical Plate Beamsplitter



Elliptical Plate Beamsplitters

Stock #48-914 3-5 DAYS

- 1 + **\$\$233⁴⁵**

ADD TO CART

Qty 1-5

\$\$233.45

Qty 6+

\$\$210.25

Volume Pricing

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SPECIFICATIONS

General

Type:
Standard Beamsplitter

Physical & Mechanical Properties

Clear Aperture (%):
>80

Construction:
Plate

Edges:
Cut with 0.25mm Maximum Edge Chip

Major Axis (mm):
18.68 +0.0/-0.40 (physical length)

Minor Axis (mm):
12.50 +0.0/-0.10

Parallelism (arcmin):
<1

Thickness (mm):
1.00

Thickness Tolerance (mm):
±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 241:
[Compliant](#)

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

