

TECHSPEC® 35 x 35mm 80R/20T, NIR Plate Beamsplitter



Visible and NIR Plate Beamsplitters

Stock #68-428 3-4 DAYS

⊖ 1 ⊕ €222.⁰⁰

ADD TO CART

Qty 1-5
€222,00

Qty 6+
€175,00

Volume Pricing

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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads



SPECIFICATIONS

General

Note:
Beamsplitter-coated side is marked with a black dot

Type:
Standard Beamsplitter

Physical & Mechanical Properties

Clear Aperture (%):
>85

Construction:
Plate

Dimensions (mm):
35.0 x 35.0 +0.0/-0.25

Edges:
Cut with 0.25mm maximum edge chip

Parallelism (arcmin):
≤3

Thickness (mm):
3.00 ±0.25

Optical Properties

Angle of Incidence (°):
45

Coating Specification:
Surface 1: 80/20 ±5% @ 900nm, ±10% @ 700 - 1100nm
Surface 2: AR $R_{avg} \leq 1\%$, $R_{abs} \leq 2\%$ @ 700 - 1100nm

Reflection/Transmission Ratio (R/T):
80/20

Substrate:
[N-BK7](#)

Surface Flatness (P-V):
1λ per inch

Surface Quality:
60-40

Wavelength Range (nm):
700 - 1100

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

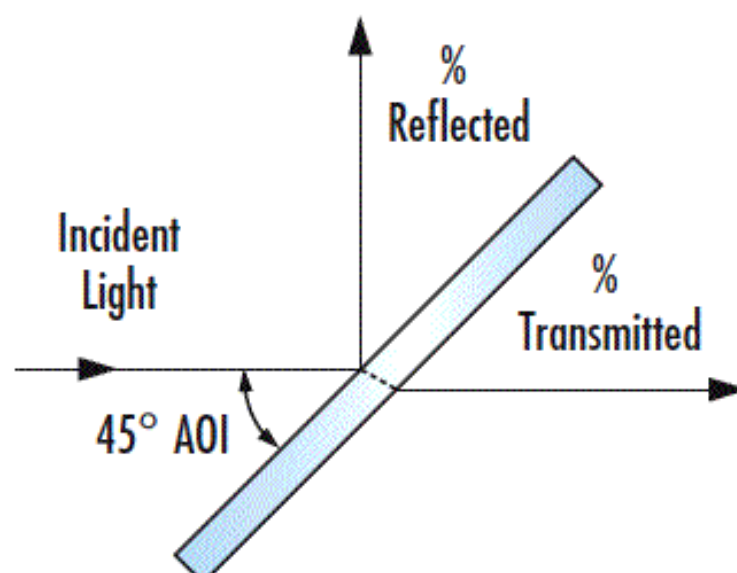
REACH 241:
[Compliant](#)

PRODUCT DETAILS

- 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



COMPATIBLE MOUNTS
