

**TECHSPEC® 12.5mm Dia 80R/20T, NIR Plate Beamsplitter**



Visible and NIR Plate Beamsplitters

Stock #68-418 3-4 DAYS

⊖ 1 ⊕ €135.<sup>00</sup>

**ADD TO CART**

Qty 1-5  
€135,00

Qty 6+  
€105,00

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

Diameter (mm):  
12.50

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](#)

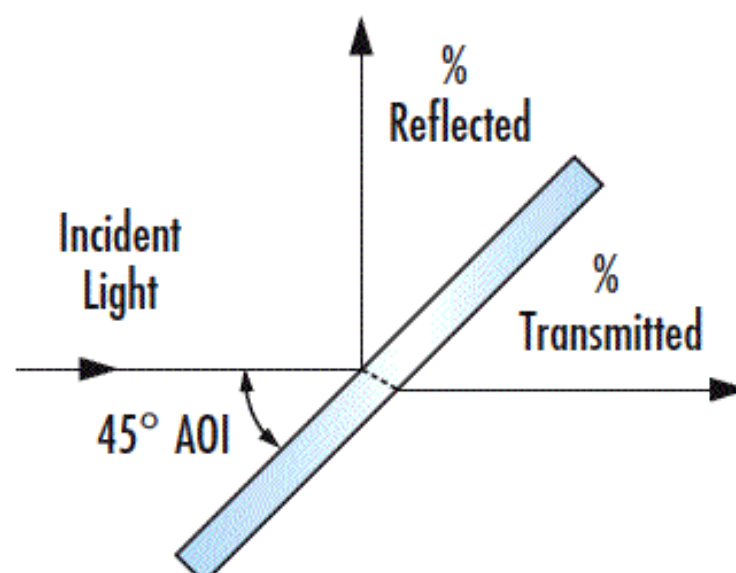
REACH 241:  
[Compliant](#)

## PRODUCT DETAILS

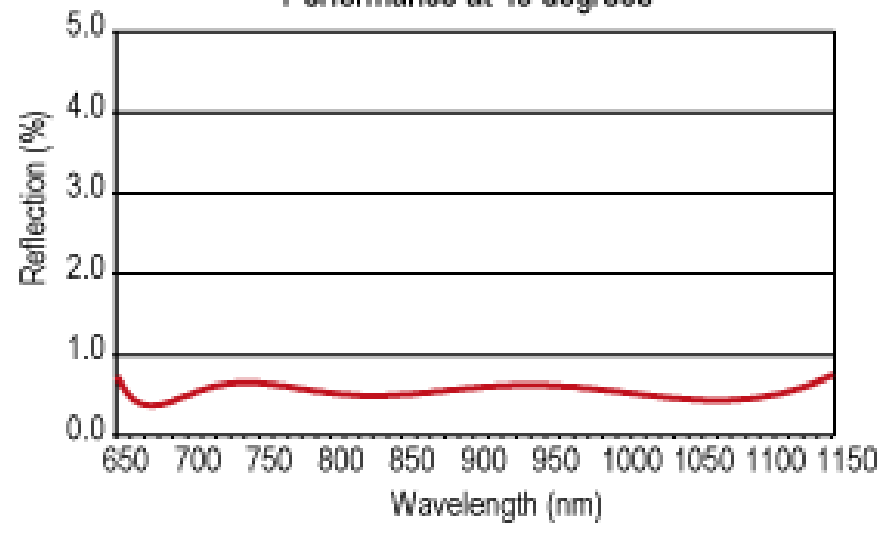
- Many Beamsplitting Ratios Available
- Visible and NIR Coating Options Offered
- Multi-Layer AR Coated Second Surface
- [C-Mounted Plate Beamsplitters](#) Also Available

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



NIR AR Back-Surface Coating  
Performance at 45 degrees



COMPATIBLE MOUNTS

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