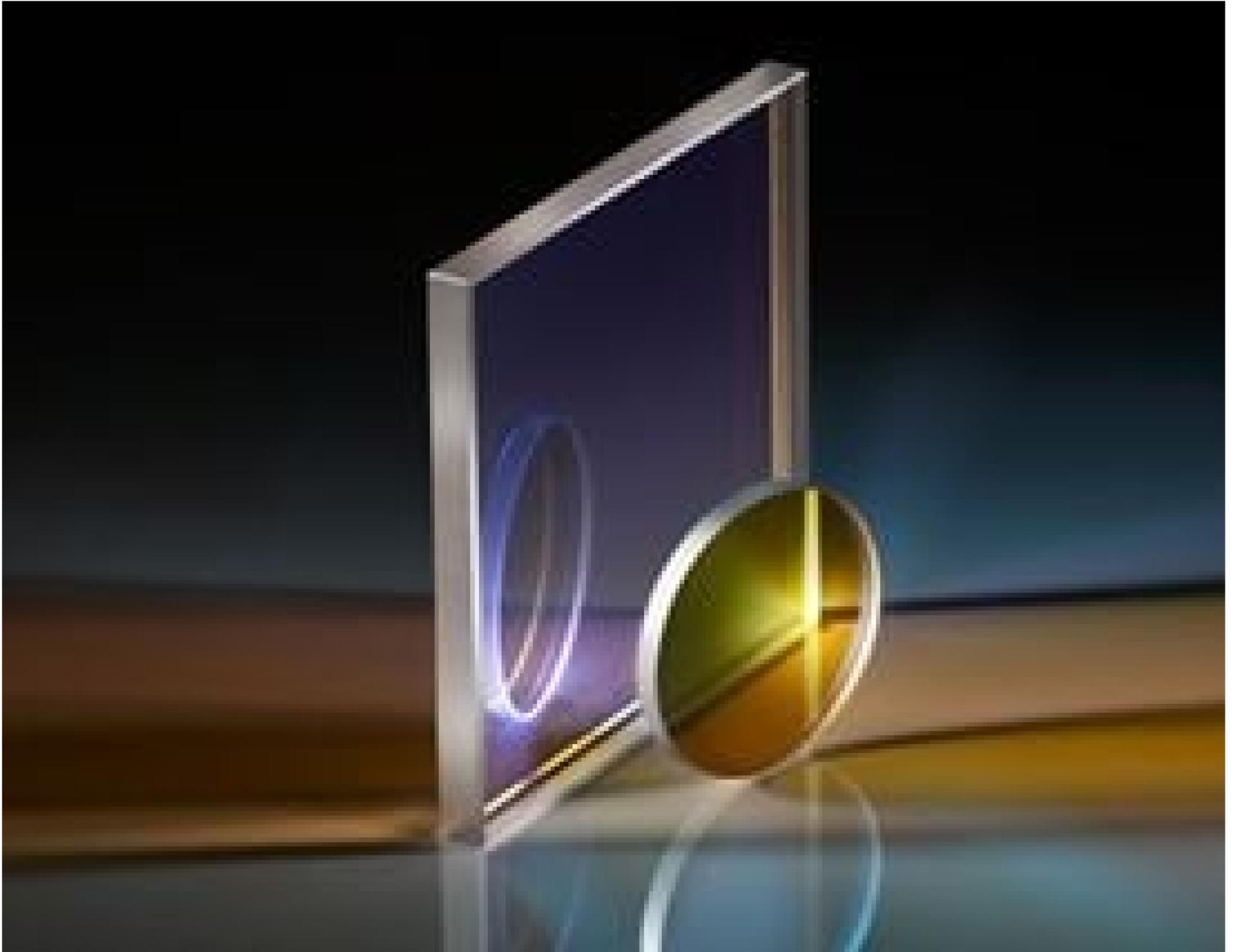


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**TECHSPEC® 50R/50T 10mm Dia., UV Plate Beamsplitter**



TECHSPEC® UV Plate Beamsplitters

Stock **#65-921** **20+ In Stock**

⊖ 1 ⊕ C\$173<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	C\$173.60 each
Qty 6-25	C\$137.20 each
Qty 26-99	C\$124.60 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Standard Beamsplitter **Type:**

**Physical & Mechanical Properties**

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

Plate **Construction:**

10.00 +0.00/-0.20 **Diameter (mm):**

<5 **Parallelism (arcmin):**

1.00 ±0.38 **Thickness (mm):**

## Optical Properties

45 **Angle of Incidence (°):**

**Coating Specification:**  
Surface 1:  $R_{\text{abs}} = 50 \pm 5\%$  @ 350nm,  $R_{\text{avg}} = 50 \pm 10\%$  over 250 - 450nm  
 $T_{\text{abs}} = 50 \pm 5\%$  @ 350nm,  $T_{\text{avg}} = 50 \pm 10\%$  over 250 - 450nm  
Surface 2: BBAR ( $R_{\text{avg}} < 1\%$ ,  $R_{\text{abs}} < 2\%$  over 250 - 450nm)

50/50 **Reflection/Transmission Ratio (R/T):**

**Substrate:**   
[Fused Silica](#) (Corning 7980)

1λ **Surface Flatness (P-V):**

60-40 **Surface Quality:**

250 - 450 **Wavelength Range (nm):**

## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

**Reach 235:**  
[Compliant](#)

## 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

- Multiple Transmission/Reflection Ratios Available
- BBAR Coated Second Surface
- Fused Silica Substrate

TECHSPEC® UV Plate Beamsplitters offer optimum performance in the 250-450nm spectral range and feature low absorption and negligible ghost reflections. The precision fused silica substrate has been designed to minimize the additional optical path length a beamsplitter adds to an imaging or photonic system. Available in multiple transmission/reflection ratios, TECHSPEC® UV Plate Beamsplitters are ideal for fluorescence imaging, biomedical and pharmaceutical applications, forensics, and spectroscopy. All coatings are designed for 45° AOI and random polarization.

## Compatible Mounts