

TECHSPEC<sup>®</sup> 50R/50T 40mm Dia., UV Plate Beamsplitter



TECHSPEC<sup>®</sup> UV Plate Beamsplitters

Stock **#65-927** **2 In Stock**

-

1

+

A\$363<sup>20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | <b>A\$363.20</b> each         |
| Qty 6-25       | <b>A\$284.80</b> each         |
| Qty 26-99      | <b>A\$262.40</b> each         |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                     |
|----------------------------------|---------------------|
| Standard Beamsplitter            | Type:               |
| Physical & Mechanical Properties |                     |
| >85                              | Clear Aperture (%): |
| Plate                            | Construction:       |

|                                                                                                                                                                                                                                                                                       |                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 40.00 +0.00/-0.20                                                                                                                                                                                                                                                                     | Diameter (mm):                       |
| <5                                                                                                                                                                                                                                                                                    | Parallelism (arcmin):                |
| 4.00 ±0.38                                                                                                                                                                                                                                                                            | Thickness (mm):                      |
| Optical Properties                                                                                                                                                                                                                                                                    |                                      |
| 45                                                                                                                                                                                                                                                                                    | Angle of Incidence (°):              |
| Coating Specification:<br>Surface 1: R <sub>abs</sub> = 50 ±5% @ 350nm, R <sub>avg</sub> = 50 ±10% over 250 - 450nm<br>T <sub>abs</sub> =50 ±5% @ 350nm, T <sub>avg</sub> = 50 ±10% over 250 - 450nm<br>Surface 2: BBAR (R <sub>avg</sub> <1%, R <sub>abs</sub> <2% over 250 - 450nm) |                                      |
| 50/50                                                                                                                                                                                                                                                                                 | Reflection/Transmission Ratio (R/T): |
| Fused Silica (Corning 7980)                                                                                                                                                                                                                                                           | Substrate: <input type="checkbox"/>  |
| 1λ                                                                                                                                                                                                                                                                                    | Surface Flatness (P-V):              |
| 60-40                                                                                                                                                                                                                                                                                 | Surface Quality:                     |
| 250 - 450                                                                                                                                                                                                                                                                             | Wavelength Range (nm):               |
| Regulatory Compliance                                                                                                                                                                                                                                                                 |                                      |
| Compliant                                                                                                                                                                                                                                                                             | RoHS 2015:                           |
| View                                                                                                                                                                                                                                                                                  | Certificate of Conformance:          |
| Compliant                                                                                                                                                                                                                                                                             | Reach 235:                           |

## 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.

## 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](#).

## Compatible Mounts