

TECHSPEC<sup>®</sup> 355nm, 25mm Diameter, Thin Film Laser Line Beamsplitter



TECHSPEC High Energy Laser Line Polarizers

Stock **#21-884** [CONTACT US](#)

-

1

+

£432<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £432.00 each                  |
| Qty 6-25       | £377.60 each                  |
| Need More?     | <a href="#">Request Quote</a> |

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Plate Beamsplitter

Physical & Mechanical Properties

Clear Aperture (%):

90

Clear Aperture CA (mm):

22.5

|                                            |                                                       |
|--------------------------------------------|-------------------------------------------------------|
| Thin Film Dielectric                       | Construction:                                         |
| 25.00                                      | Diameter (mm):                                        |
|                                            |                                                       |
| +0.00/-0.25                                | Dimensional Tolerance (mm):                           |
|                                            |                                                       |
| 6.00 ±0.25                                 | Thickness (mm):                                       |
| Optical Properties                         |                                                       |
| 45±2                                       | Angle of Incidence (°):                               |
|                                            |                                                       |
| 355                                        | Design Wavelength DWL (nm):                           |
|                                            |                                                       |
| 10,000:1                                   | Extinction Ratio:                                     |
|                                            |                                                       |
| >98                                        | P-Polarization Transmission (%):                      |
|                                            |                                                       |
| >99                                        | S-Polarization Reflection (%):                        |
|                                            |                                                       |
| Fused Silica                               | Substrate: <input type="checkbox"/>                   |
|                                            |                                                       |
| 40-20                                      | Surface Quality:                                      |
|                                            |                                                       |
| λ/4 @ 633nm                                | Transmitted Wavefront, P-V:                           |
|                                            |                                                       |
| 2 J/cm² @ 532nm, 10ns, S or P Polarization | Damage Threshold, By Design: <input type="checkbox"/> |
|                                            |                                                       |
| Regulatory Compliance                      |                                                       |
|                                            |                                                       |
| View                                       | Certificate of Conformance:                           |
|                                            |                                                       |

## Product Details

- 45° Angle of Incidence
- Reflects S-Polarized Light, Transmits P-Polarized Light
- Available for Nd:YAG Harmonics and HeNe Wavelengths

TECHSPEC® Laser Line Polarizing Plate Beamsplitters split randomly polarized light into two orthogonal, linearly polarized components. S-polarized light is reflected at a 90° angle, while P-polarized light is transmitted. These beamsplitters feature thin film dielectric coatings which provide high laser damage thresholds for optimal performance in many laser applications. TECHSPEC® Laser Line Polarizing Plate Beamsplitters UV grade fused silica substrate maximizes performance while the hard anti-reflection coating makes them durable and easy to clean.

## 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](#).