

**TECHSPEC®**

# 532nm, 25mm Diameter, Thin Film Laser Line Beamsplitter



TECHSPEC High Energy Laser Line Polarizers

Stock #21-887 **3 In Stock**

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	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
eDrawing:eprt	
EO Spec Sheet	<a href="#">Download All</a>

## General

**Type:** Plate Beamsplitter

## Physical & Mechanical Properties

<b>Clear Aperture (%):</b> 90	<b>Clear Aperture CA (mm):</b> 22.50
<b>Construction:</b> Thin Film Dielectric	<b>Diameter (mm):</b> 25.00
<b>Dimensional Tolerance (mm):</b> +0.00/-0.25	<b>Thickness (mm):</b> 6.00 ±0.25

## Optical Properties

<b>Angle of Incidence (°):</b> 45±2	<b>Design Wavelength DWL (nm):</b> 532
<b>Extinction Ratio:</b> 10,000:1	<b>P-Polarization Transmission (%):</b> >98
<b>S-Polarization Reflection (%):</b> >99	<b>Substrate:</b> <a href="#">Fused Silica</a>
<b>Surface Quality:</b> 40-20	<b>Transmitted Wavefront, P-V:</b> λ/4 @ 633nm
<b>Damage Threshold, By Design:</b> 2 J/cm <sup>2</sup> @ 532nm, 10ns, S or P Polarization	

## Regulatory Compliance

## Need different specs or modifications?

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

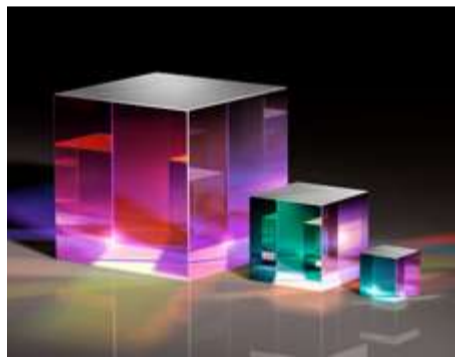
- 45° Angle of Incidence
- Reflects S-Polarized Light, Transmits P-Polarized Light
- Available for Nd:YAG Harmonics and HeNe Wavelengths

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.

## Related Products



Laser Line Non-Polarizing Plate Beamsplitters



Laser Line Polarizing Cube Beamsplitters



Thin Film Laser Line Polarizers



Optical Cleaning

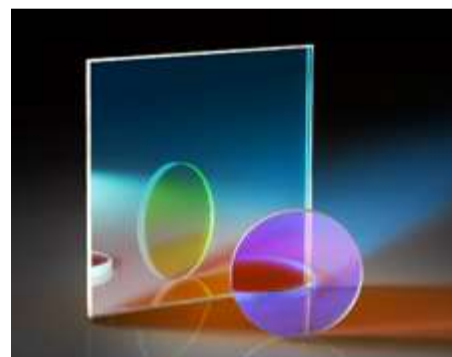
## Frequently Purchased Together



#43-452 - 50mm Square, 0° AOI, Hot Mirror  
£50.80

#43-696 - 25.4mm Dia. 532.0nm λ/4 Quartz Waveplate Zero Order  
£436.00

#46-139 - 50mm Square, Green Dichroic Filter  
£35.80

#48-545 - 25mm Square Broadband Polarizing Plate Beamsplitter  
£212.80

## Resources

**Media Type**

Application Note

 APPLICATION NOTE

Homogeneity  
and Scatter  
from Inclusions  
and Bubbles

 APPLICATION NOTE

Thermal  
Properties of  
Optical  
Substrates