

TECHSPEC[®] 633nm, 25mm Diameter, Thin Film Laser Line Beamsplitter



TECHSPEC High Energy Laser Line Polarizers

Stock **#21-890** **1 In Stock**

-

1

+

C\$756⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	C\$756.00 each
Qty 6-25	C\$660.80 each
Need More?	Request Quote

Product Downloads

General

Type:

Plate Beamsplitter

Physical & Mechanical Properties

Clear Aperture (%):

90

Clear Aperture CA (mm):

22.50

Construction:

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

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

- 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.