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TECHSPEC® 1064nm, 25mm Diameter, Thin Film Laser Line Beamsplitter



TECHSPEC High Energy Laser Line Polarizers

Stock #21-893 **3 In Stock**

⊖ 1 ⊕ ₹44,460

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General

Plate Beamsplitter **Type:**

Physical & Mechanical Properties

90 **Clear Aperture (%):**

22.50 **Clear Aperture CA (mm):**

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 (°):**

1064 **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:**

United States **Country of Origin:**

Edmund Optics India Private Limited **Imported By:**

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.