

**TECHSPEC® 1064nm, 50mm Diameter, Thin Film Laser Line Polarizer**



TECHSPEC High Energy Laser Line Polarizers

Stock **#86-717** **3 In Stock**

⊖ 1 ⊕ ₹78,629

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**SPECIFICATIONS**

**General**

Linear Polarizer **Type:**

**Physical & Mechanical Properties**

**Clear Aperture CA (mm):**

45.00	<b>Diameter (mm):</b>
50.00	
	<b>Thickness (mm):</b>
6.00 ±0.25	
	<b>Dimensional Tolerance (mm):</b>
+0.00/-0.25	
	<b>Construction:</b>
Thin Film Dielectric	
	<b>Clear Aperture (%):</b>
90	

## Optical Properties

45 ±2	<b>Angle of Incidence (°):</b>
1064	<b>Design Wavelength DWL (nm):</b>
10,000:1	<b>Extinction Ratio:</b>
<a href="#">Fused Silica</a> (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
40-20	<b>Surface Quality:</b>
>98 (P-Polarization)	<b>Transmission (%):</b>
N4 @ 633nm	<b>Transmitted Wavefront, P-V:</b>
2 J/cm <sup>2</sup> @ 532nm, 10ns, S or P Polarization	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>

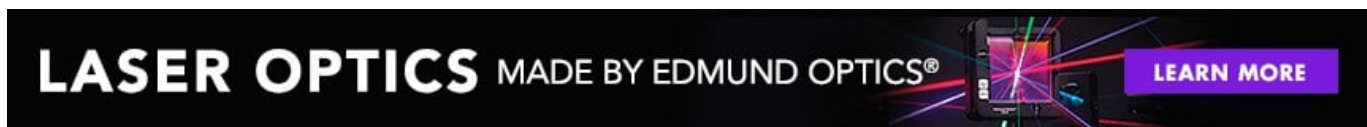
## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 247:</b>

## PRODUCT DETAILS

- High Extinction Ratio of 10,000:1
- 45° Angle of Incidence
- Available for Nd:YAG Harmonics and HeNe Wavelengths

TECHSPEC® Thin Film Laser Line Polarizers are used to transmit P-polarized light while reflecting S-polarized light. These polarizers with thin film dielectric coatings combine high laser damage thresholds with high extinction ratios for optimal performance in a range of laser applications. The UV grade fused silica substrate maximizes performance, while the hard anti-reflection coating makes these durable polarizers easy to clean and simple to align. TECHSPEC® Thin Film Laser Line Polarizers have an 45° angle of incidence. The polarizers are available for common laser wavelengths.



## 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

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