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



TECHSPEC High Energy Laser Line Polarizers

Stock **#86-717** **1 In Stock**

⊖ 1 ⊕ MRP ₹1,11,484

📌 Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹1,11,484 each
Qty 6-25	₹95,342 each
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General

Linear Polarizer **Type:**

Physical & Mechanical Properties

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

50.00 **Diameter (mm):**

6.00 ±0.25	Thickness (mm):
+0.00/-0.25	Dimensional Tolerance (mm):
Thin Film Dielectric	Construction:
90	Clear Aperture (%):
Optical Properties	
45 ±2	Angle of Incidence (°):
1064	Design Wavelength DWL (nm):
10,000:1	Extinction Ratio:
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
40-20	Surface Quality:
>98 (P-Polarization)	Transmission (%):
M4 @ 633nm	Transmitted Wavefront, P-V:
2 J/cm ² @ 532nm, 10ns, S or P Polarization	Damage Threshold, By Design: <input type="checkbox"/>

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:
United States	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

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

- 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.

