

TECHSPEC<sup>®</sup> 633nm, 25mm Diameter, Thin Film Laser Line Polarizer



TECHSPEC High Energy Laser Line Polarizers

Stock **#86-713** **2 In Stock**

-

1

+

S\$798<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | <b>S\$798.00</b> each         |
| Qty 6-25       | <b>S\$714.00</b> each         |
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General

Linear Polarizer

Type:

Physical & Mechanical Properties

22.50

Clear Aperture CA (mm):

25.00

Diameter (mm):

Thickness (mm):

|                                            |                                                       |
|--------------------------------------------|-------------------------------------------------------|
| 6.00 ±0.25                                 |                                                       |
| +0.00/-0.25                                | Dimensional Tolerance (mm):                           |
|                                            |                                                       |
| Thin Film Dielectric                       | Construction:                                         |
|                                            |                                                       |
| 90                                         | Clear Aperture (%):                                   |
| Optical Properties                         |                                                       |
|                                            |                                                       |
| 45 ±2                                      | Angle of Incidence (°):                               |
|                                            |                                                       |
| 633                                        | 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 (%):                                     |
|                                            |                                                       |
| λ/4 @ 633nm                                | Transmitted Wavefront, P-V:                           |
|                                            |                                                       |
| 2 J/cm² @ 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:                                            |
|                                            |                                                       |

## 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

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).