

**TECHSPEC® 40mm Dia. High Performance Glass Linear Polarizer**



Stock #66-182 **10 In Stock**

- 1 + ₹17,750

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**SPECIFICATIONS**

**General**

Linear Polarizer **Type:**

**Physical & Mechanical Properties**

**Diameter (mm):**

40.00

Thickness (mm):

2.00 ±0.2

Parallelism (arcmin):

<4

Dimensional Tolerance (mm):

+0.0/-0.2

Construction:

Dichroic Polarizing Film between Glass

### Optical Properties

Coating:

AR:  $R_{avg} < 0.5\%$  @ 400 - 700nm

Extinction Ratio:

10,000:1

Substrate:

Polymer Film between **B270**

Transmission (%):

25 (for random polarization)

Transmission Tolerance (%):

±2

Wavelength Range (nm):

400 - 700

Surface Flatness (P-V):

<1λ (typical)

Polarization Axis Mark (°):

±2

### Environmental & Durability Factors

Operating Temperature (°C):

-25 to +65

### Regulatory Compliance

RoHS 2015:

[Compliant](#)

Reach 224:

[Compliant](#)

Certificate of Conformance:

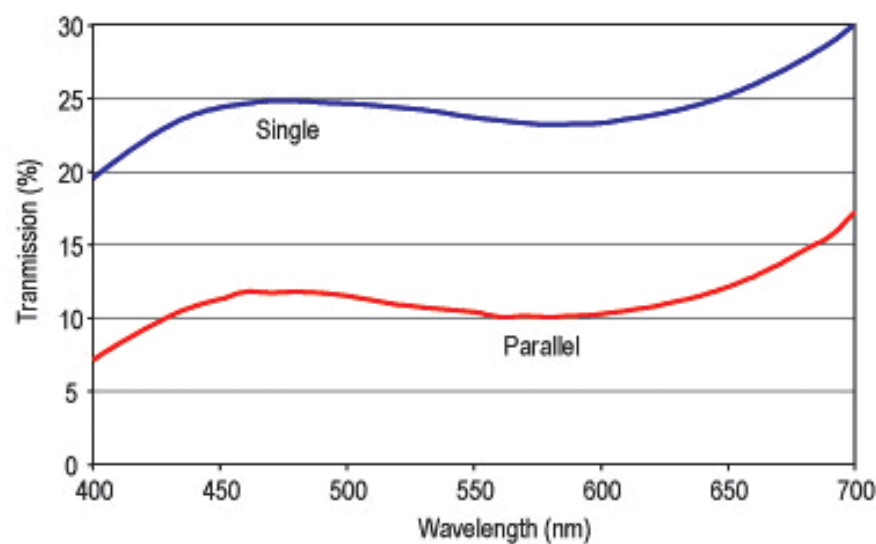
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## PRODUCT DETAILS

- 10,000:1 High Extinction Ratio for 400 - 700nm
- Polarization Axis is Reference Marked
- Anti-Reflection Coated to Minimize Reflection Loss

TECHSPEC® High Performance Glass Linear Polarizers offer a high extinction ratio and are available in a range of sizes. A single polarizer transmits about 25% of randomly polarized incident light from 400 – 700nm. The glass substrate is anti-reflection (AR) coated to minimize loss of light due to reflection. TECHSPEC® High Performance Glass Linear Polarizers are ideal for a broad range of industrial and laboratory applications. These glass polarizers are offered in diameters ranging from 6.25mm to 50.80mm.

## TECHNICAL INFORMATION



## 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](#).

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