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TECHSPEC® 25mm Dia. High Performance Glass Linear Polarizer


 Stock #47-216 **20+ In Stock**

 - 1 + C\$301.⁰⁰
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Volume Pricing	
Qty 1-5	C\$301.00 each
Qty 6-25	C\$239.96 each
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Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
eDrawing:eprt	
EO Spec Sheet	Download All

General

Type: Linear Polarizer

Physical & Mechanical Properties

Diameter (mm): 25.00	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	
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Regulatory Compliance

RoHS 2015: Compliant	Reach 224: Compliant
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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

- 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

Related Products



Linear Glass Polarizing Filters



High Contrast Plastic Linear Polarizers (XP42-200 & XP42-300)



NIR Glass Linear Polarizers



Mounted Linear Glass Polarizing Filters

Frequently Purchased Together



#03-631 - 0.5mm Thick, C-Mount Brass Spacer Ring
C\$15.75

Qty



#03-632 - 1.0mm Thick, C-Mount Brass Spacer Ring
C\$15.75

Qty



#03-644 - 1/4-20 x 1/2" Setscrew, 12/Pack
C\$17.15

Qty



#27-926 - 0.1 OD, 25.4mm Dia., Reflective Neutral Density Filter
C\$22.33

Qty

Resources

Media Type

- Application Note
- Technical Tool
- Video
- FAQ
- Glossary

APPLICATION NOTE

Introduction to Polarization

TECHNICAL TOOL

Laser-Cut Polymer Polarizer and Retarder...

APPLICATION NOTE

Polymer Polarizers and Retarders

APPLICATION NOTE

Polarizer Selection Guide

APPLICATION NOTE

Understanding Waveplates and Retarders

VIDEO

How Do 3D Movies Work? Polarization

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