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25mm Diameter Unmounted, Linear Glass Polarizing Filter


 Stock #43-786 **20+ In Stock**

 - 1 + C\$66^{.85}
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Volume Pricing	
Qty 1-5	C\$66.85 each
Qty 6-25	C\$51.38 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): <3	Dimensional Tolerance (mm): +0.0/-0.2
Bevel: Protective as needed	Construction: Dichroic Polarizing Film on Glass
Edges: Cut	

Optical Properties

Extinction Ratio: 100:1	Substrate: Polymer Film on B270
Surface Quality: 80-50	Transmission (%): Single: ~30
Wavelength Range (nm): 400 - 700	Surface Flatness (P-V): 4 - 6λ
Polarization Efficiency (%): 95	

Environmental & Durability Factors

Operating Temperature (°C): -15 to +70

Regulatory Compliance

 RoHS 2015: **Compliant**

 Certificate of Conformance: [View](#)

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

- 95% Polarization Efficiency
- 30% Typical Single Transmission of Unpolarized Light from 400 - 700nm
- 0.15% Average Crossed Transmission from 400 - 700nm
- Also Available **Mounted**

Linear Glass Polarizing Filters feature 95% polarization efficiency with a typical single filter transmission of 30%. The filters have a 0.15% average crossed transmission from 400-700nm. These sandwich-design polarizing filters are constructed of dichroic polarizing film on glass. Linear Glass Polarizing Filters are ideal for OEM applications, prototyping, and laboratory projects. These lightweight plastic filters are also available **mounted**.

Technical Information

Related Products



Mounted Linear Glass Polarizing Filters



High Performance Glass Linear Polarizers



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



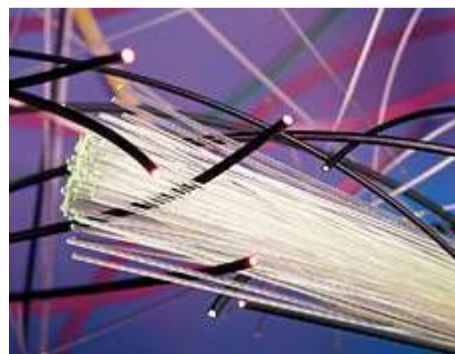
NIR Glass Linear Polarizers

Frequently Purchased Together



#01-307 - 25,400 Lines/Inch, 2" Square Card, 15/Pack, Holographic Diffraction Grating Film
C\$39.90

Qty



#02-534 - 1000µm, Optical Grade Plastic Optical Fiber Unjacketed
C\$2.80

Qty



#03-630 - C-Mount Double Female Thread Ring
C\$51.45

Qty



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

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

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Understanding
Waveplates
and Retarders

 VIDEO

How Do 3D
Movies Work?
Polarization

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