

50mm Diameter Unmounted, Linear Glass Polarizing Filter



Stock **#43-787** **20+ In Stock**

- 1 + A\$97.⁶⁰

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Volume Pricing

Qty 1-5	A\$97.60 each
Qty 6-25	A\$78.08 each
Need More?	Request Quote

Product Downloads

General

Linear Polarizer **Type:**

Physical & Mechanical Properties

50.00 **Diameter (mm):**

2.40 ±0.2 **Thickness (mm):**

<3 **Parallelism (arcmin):**

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: <input type="checkbox"/>	
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	
REACH 201:	
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

Transmission for Single Glass Polarizer



