

47mm Diameter Unmounted, Linear Glass Polarizing Filter



Stock **#53-348** 20+ In Stock

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1

+

£42^{.00}

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Volume Pricing	
Qty 1-5	£42.00 each
Qty 6-25	£32.24 each
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Linear Polarizer

Type:

Physical & Mechanical Properties

47.00

Diameter (mm):

2.40 ±0.2

Thickness (mm):

<3	Parallelism (arcmin):
+0.0/-0.2	Dimensional Tolerance (mm):
Protective as needed	Bevel:
Dichroic Polarizing Film on Glass	Construction:
Cut	Edges:

Optical Properties

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

Environmental & Durability Factors

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

Compliant	RoHS 2015:
Compliant	REACH 201:
View	Certificate of Conformance:

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

