See all 16 Products in Family

35mm Diameter Unmounted, Linear Glass Polarizing Filter

Stock **#53-343** **20+ In Stock**

- 1 + **S$73**.50

ADD TO CART

Volume Pricing	
Qty 1-5	**S$73.50** each
Qty 6-25	**S$56.42** each
Need More?	Request Quote

Product Downloads

General

Type:

Linear Polarizer

Physical & Mechanical Properties

Diameter (mm):

35.00

Thickness (mm):

2.40 ±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

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

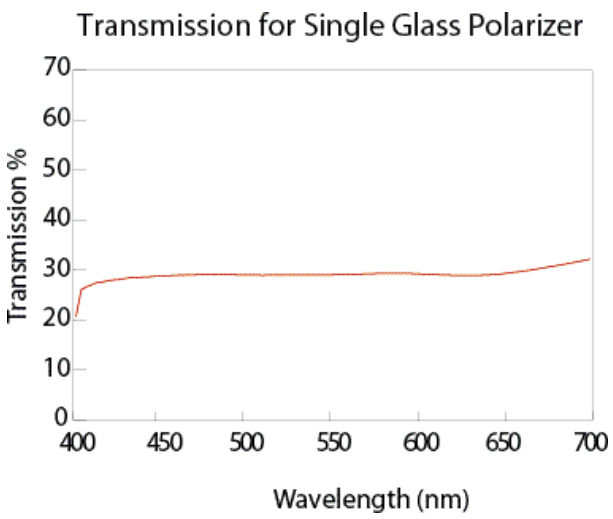
Learn more about our custom manufacturing capabilities or submit an inquiry here.

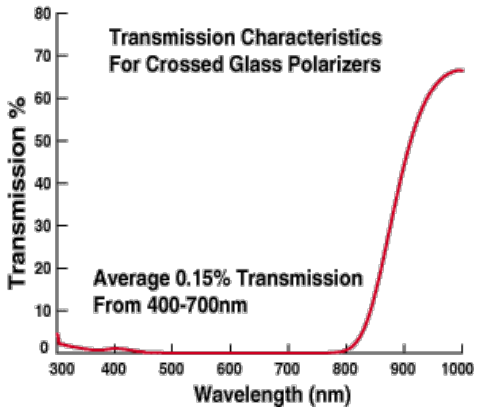
Product Details

- 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 Characteristics
For Crossed Glass Polarizers
Transmission %
Average 0.15% Transmission
From 400-700nm
Wavelength (nm)
80
70
60
50
40
30
20
10
0
300
400
500
600
700
800
900
1000

;