

## 40mm Diameter Unmounted, Linear Glass Polarizing Filter



Stock #53-344 **7 In Stock**

- 1 + \$73.<sup>50</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	\$73.50 each
Qty 6-25	\$56.42 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

### General

Linear Polarizer **Type:**

### Physical & Mechanical Properties

40.00 **Diameter (mm):**

2.40 ±0.2 **Thickness (mm):**

<3 **Parallelism (arcmin):**

<b>Dimensional Tolerance (mm):</b>	
+0.0/-0.2	
<b>Bevel:</b>	
Protective as needed	
<b>Construction:</b>	
Dichroic Polarizing Film on Glass	
<b>Edges:</b>	
Cut	
<b>Optical Properties</b>	
<b>Extinction Ratio:</b>	
100:1	
<b>Substrate:</b> <input type="checkbox"/>	
Polymer Film on <a href="#">B270</a>	
<b>Surface Quality:</b>	
80-50	
<b>Transmission (%):</b>	
Single: ~30	
<b>Wavelength Range (nm):</b>	
400 - 700	
<b>Surface Flatness (P-V):</b>	
4 - 6λ	
<b>Polarization Efficiency (%):</b>	
95	
<b>Environmental &amp; Durability Factors</b>	
<b>Operating Temperature (°C):</b>	
-15 to +70	
<b>Regulatory Compliance</b>	
<b>RoHS 2015:</b>	
<a href="#">Compliant</a>	
<b>REACH 201:</b>	
<a href="#">Compliant</a>	
<b>Certificate of Conformance:</b>	
<a href="#">View</a>	

## 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



