

[See all 16 Products in Family](#)

## 50mm Diameter Unmounted, Linear Glass Polarizing Filter



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

- 1 + MRP ₹6,155

**i** Price inclusive of all taxes

**ADD TO CART**

### Volume Pricing

Qty 1-5	₹6,155 each
Qty 6-25	₹4,923 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

### General

Linear Polarizer **Type:**

### Physical & Mechanical Properties

50.00 **Diameter (mm):**

2.40 ±0.2 **Thickness (mm):**

**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](#)

**Country of Origin:**

Japan

**Imported By:**

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## 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

