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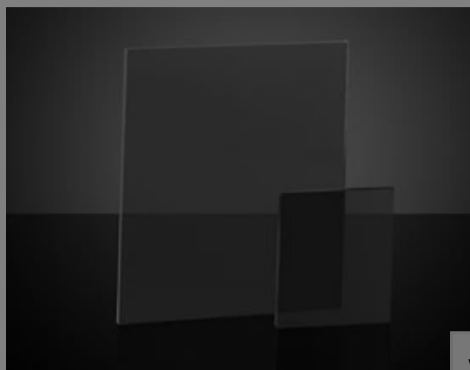
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# Broadband NIR

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

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Stock #71-118 **5 In Stock**

1

€61<sup>,00</sup>

ADD TO CART

### Volume Pricing

Qty 1-9	€61,00 each
Qty 10-25	€55,50 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

### Product Downloads

EO Spec Sheet

## General

**Type:** Linear Polarizer

**Note:** Protective film both sides, polarization axis indicated but cutout on polarizer edge

## Physical & Mechanical Properties

**Length (mm):** 12.50

**Dimensions (mm):** 12.5 x 12.5

**Thickness (mm):** 0.58 ±0.1

**Dimensional Tolerance (mm):** +/- 0.25

**Construction:** Polarizing Film

**Width (mm):** 12.50

## Optical Properties

**Coating:** Uncoated

**Extinction Ratio:** 5,000:1 (400-760nm), 1350:1 (760-2200nm) Average, typical

**Substrate:** Polymer Film on TAC

**Transmission (%):** Single: 26(400-760nm) 40(760-2200nm) Crossed: 0.0005 (400-760nm) 0.029 (760-2200nm)

**Wavelength Range (nm):** 400 - 2200

**Transmission, Single (%):** 26(400-760nm) 40(760-2200nm)

**Transmission, Crossed (%):** 0.0005 (400-760nm) 0.029 (760-2200nm)

## Environmental & Durability Factors

<b>Operating Temperature (°C):</b>	Heat Resistance 70°C Dry Cold Resistance -51°C
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## Regulatory Compliance

RoHS 2015: **Compliant**

Reach 240: **Compliant**

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## Product Details

- Ideal for NIR Polarization Applications
- >400:1 Extinction Ratio from 800 - 2200nm
- High Efficiency Across Wavelength Range
- Durable Polymer Substrate

Near-Infrared (NIR) Linear Polarizing Film consists of a durable polymer substrate and is ideal for imaging applications that range from the visible to NIR (400 - 2200nm). This polarizing polymer film features an excellent average transmission of 39% with greater than 99.6% polarization efficiency for incident randomly polarized light between 760 and 2200nm. Multiple rectangular sizes are available to accommodate light sources that range from low power NIR lasers with small beam diameters, to larger LED light beams. Near-Infrared (NIR) Linear Polarizing Film is used in industrial imaging and laboratory applications, i.e. to attenuate the intensity of low output NIR lasers and LEDs or to reduce glare in images recorded using NIR photodetectors. The polarization axis is labelled on the protective masking of the polarizing polymer film for rectangular parts and as a notch cutout on the polarizing polymer film for circular parts.

**Note:** Remove protective masking before first use.

## Technical Information

## Frequently Purchased Together



#25-107 - High Contrast NIR Polarizing Film, 12.5mm x 12.5mm  
€47,75

Qty



#25-939 - Single Mode Patchcord, FC/APC, 0.14NA, 1260-1625nm, 2m  
€72,50

Qty



#71-141 - Single Mode Patchcord, FC/APC, 0.14NA, 1260-1625nm, 5m  
€75,50

Qty



#17-407 - Norland Index Matching Liquid (IML) 150 Preloaded Syringe, 6cc  
€30,00

Qty

## Resources

### Media Type

- Application Note
- Glossary
- Technical Tool
- Video
- FAQ

APPLICATION NOTE

Introduction to Polarization

GLOSSARY

NIR (Near Infrared)

GLOSSARY

VIS/NIR Coating

APPLICATION NOTE

GLOSSARY

TECHNICAL TOOL

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Polymer  
Polarizer and  
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