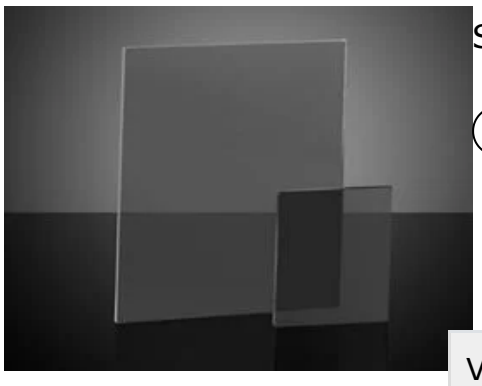
Broadband NIR Polarizing Film 25mm Sq



Stock #71-122 14 In Stock

- 1 +

C$218.40

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Volume Pricing	
Qty 1-9	C$218.40 each
Qty 10-25	C$195.02 each
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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):	25.00	**Dimensions (mm):**	25 x 25
Thickness (mm):	0.58 ±0.1	**Dimensional Tolerance (mm):**	+/- 0.25
Construction:	Polarizing Film	**Width (mm):**	25.00

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

Operating Temperature (°C):	Heat Resistance 70°C Dry Cold		

Resistance -51°C	

Regulatory Compliance

RoHS 2015:	**Compliant**	**Certificate of Conformance:**	**View**
Reach 240:	**Compliant**		

Product Details

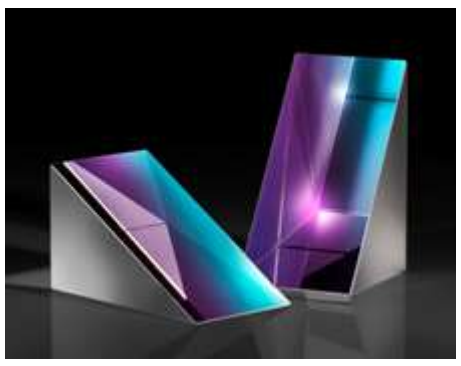
- Ideal for NIR Polarization Applications
- >400:1 Extinction Ratio from 800 - 2200nm
- High Efficiency Across Wavelength Range
- Durable Polymer Substrate

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.

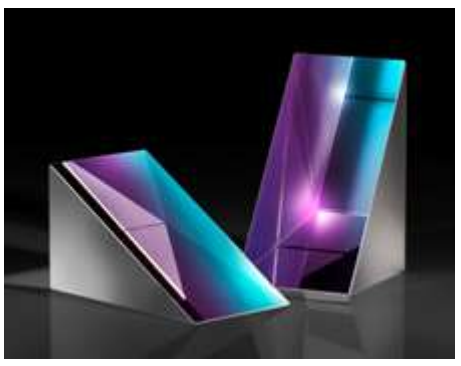
Note: Remove protective masking before first use.

Technical Information

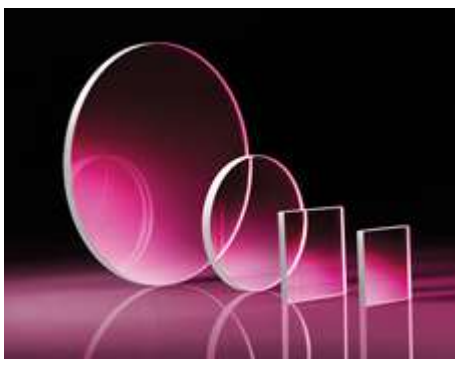
Frequently Purchased Together



#43-648 - 12.7mm Uncoated, Littrow Dispersion Prism
C$99.40
Qty



#43-649 - 22mm Uncoated, Littrow Dispersion Prism
C$111.30
Qty



#64-087 - 20mm Square, Uncoated, B270 Window
C$51.80
Qty

#84-772 - 550nm CWL, 12.5mm Dia. Hard Coated OD 4.0 50nm Bandpass Filter
C$259.00
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

The Correct Material for Infrared (IR) Applications

GLOSSARY

Infrared (IR) Spectrum

TECHNICAL TOOL

Laser-Cut Polymer Polarizer and Retarder...

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