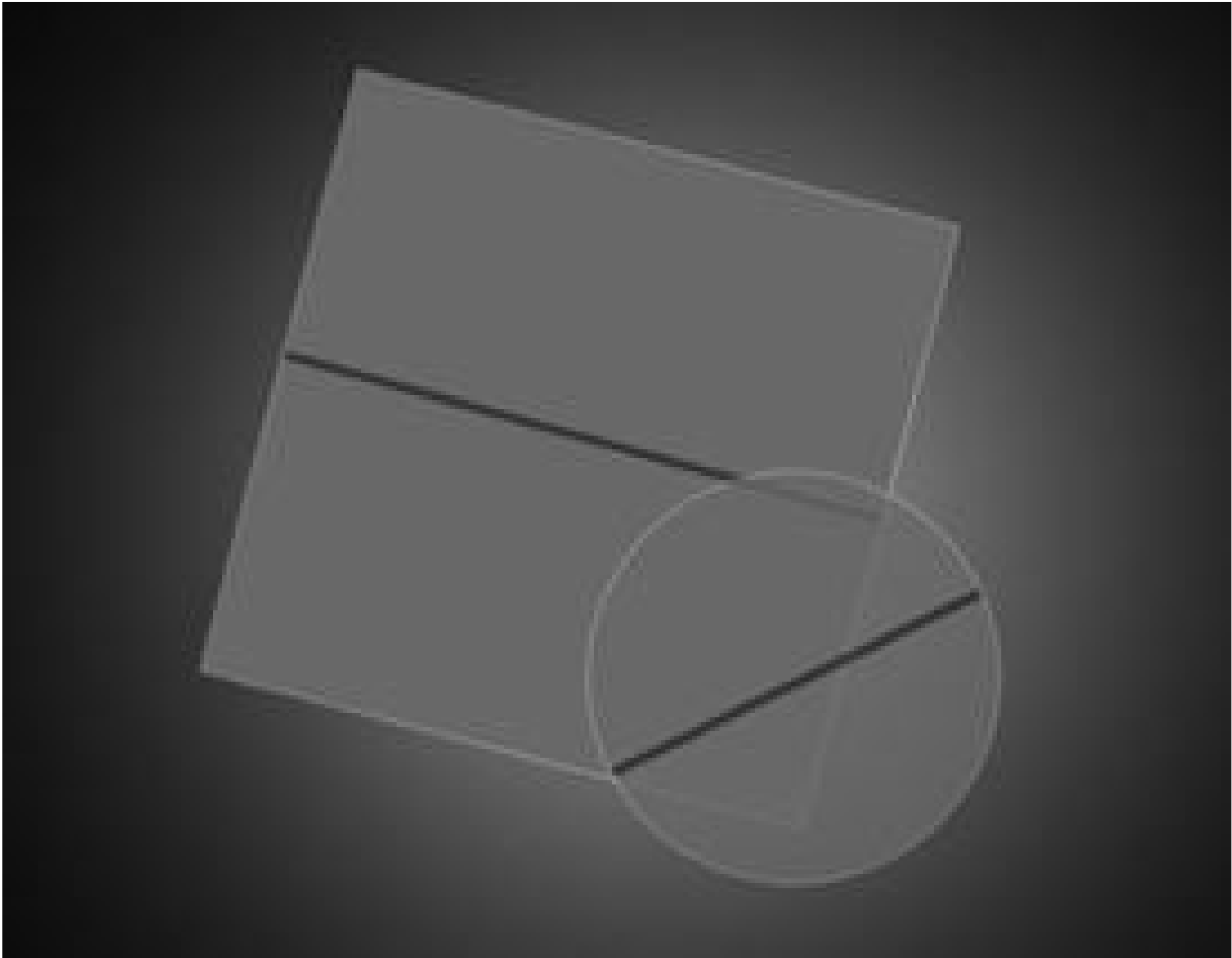


# 75mm x 75mm XP-NIR Commercial Grade NIR Polarizing Film



Stock **#73-362** NEW **20+ In Stock**

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1

+

S\$83<sup>.64</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | <b>S\$83.64</b> each          |
| Qty 11-25      | <b>S\$66.91</b> each          |
| Qty 26-49      | <b>S\$58.55</b> each          |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

## SPECIFICATIONS

General

Linear Polarizer

Type:

Delivered with protective film on both sides

Note:

Polarization axis indicated by notch cut into edge (circular parts) or stripe on protective film  
Pressure Sensitive Adhesive (PSA) on one side

Physical & Mechanical Properties

|                 |                  |
|-----------------|------------------|
| 75.00           | Length (mm):     |
| 75 x 75 +0/-0.5 | Dimensions (mm): |
| 0.21 +/- 0.025  | Thickness (mm):  |
| Polarizing Film | Construction:    |
| 75.00           | Width (mm):      |

Optical Properties

|                                           |                                     |
|-------------------------------------------|-------------------------------------|
| Uncoated                                  | Coating:                            |
| >160:1 from 800-1000nm (Average, Typical) | Extinction Ratio:                   |
| XP-NIR Polarizing Film                    | Substrate: <input type="checkbox"/> |
| 800 - 1000                                | Wavelength Range (nm):              |
| >99.0 @ 860nm                             | Polarization Efficiency (%):        |
| 35 +/- 3.0 @860nm                         | Transmission, Single (%):           |

Environmental & Durability Factors

|                                                                                                                                                                                                                                   |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 105C x 500h (dry) Change in single transmittance @ 870nm <+/-5%<br>60C x 1000h (90% humidity) Change in single transmittance @ 870nm <+/-5% from initial value, change in polarization efficiency @ 870nm <-3% from initial value | Heat Resistance (°C x Hours): |
| -40C x 1000h Change in single transmittance @ 870nm <+/-5% from initial value<br>Change in polarization efficiency @ 870nm <-3% from initial value                                                                                | Cold Resistance (°C x Hours): |

Regulatory Compliance

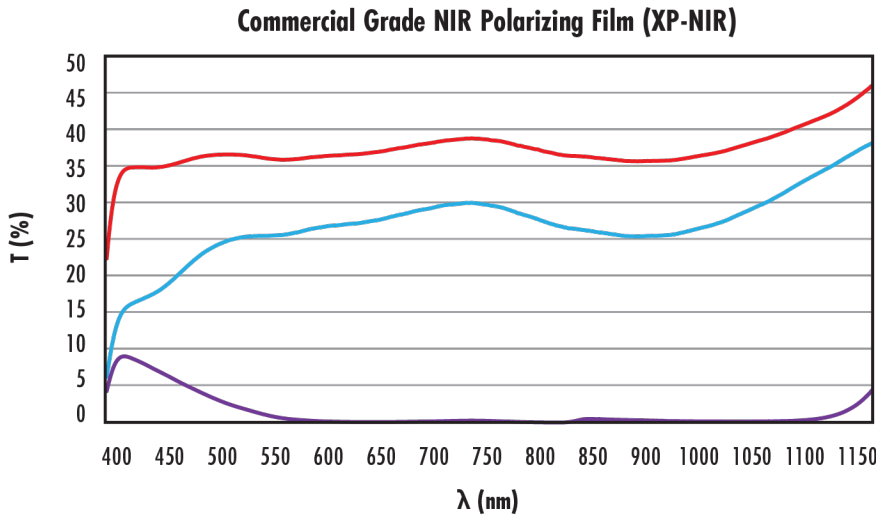
|                      |                             |
|----------------------|-----------------------------|
| <a href="#">View</a> | Certificate of Conformance: |
|----------------------|-----------------------------|

PRODUCT DETAILS

- Optimized Performance Between 800-1000nm
  - Ideal for Sensing and Inspection Applications
  - Available in Sizes up to 600 x 900mm
  - [Near-Infrared \(NIR\) Linear Polarizing Film](#) and [High Contrast Near-Infrared \(NIR\) Polarizing Film](#) also Available for Broadband IR Applications
- Commercial Grade NIR Polarizing Film (XP-NIR) offers a cost-effective solution for polarization applications in the 800-1000nm range. This film offers contrast ratios of >160:1 (Average) and >99% polarization efficiency in the specified range, and its high environmental resistance makes it a great choice for demanding environments. Commercial Grade NIR Polarizing Film (XP-NIR) is delivered with a pressure sensitive adhesive (PSA) on one side and is available in circular or rectangular sizes, with up to a 50mm diameter or a 600 x 900mm format. This film is ideal for commercial sensing, inspection, and LIDAR applications.

**Note:** Custom sizes available up to 1000mm

TECHNICAL INFORMATION



# CUSTOM

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](#).

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