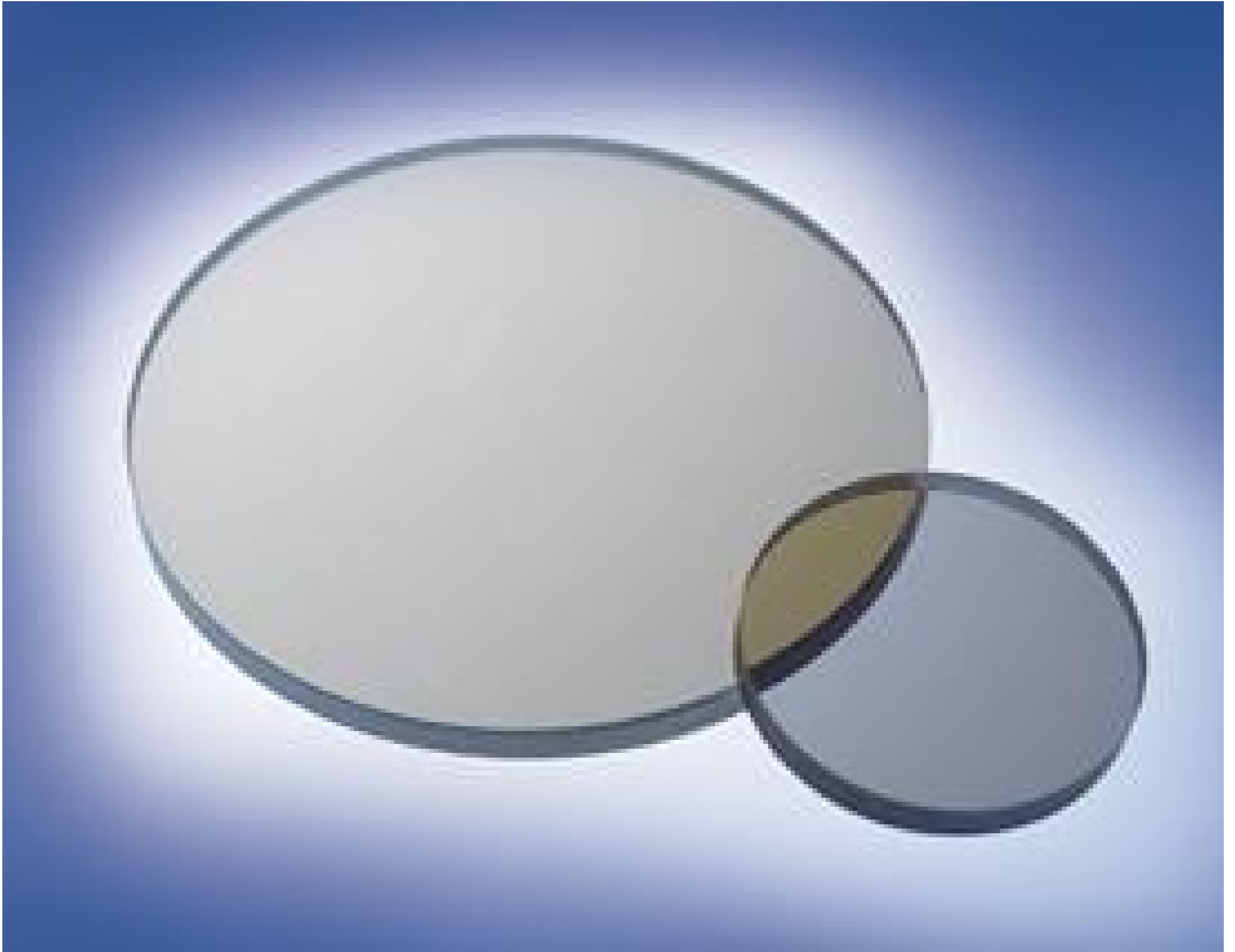


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12.5mm Dia. High Contrast IR Polarizer



Stock #36-654 **9 In Stock**

⊖ 1 ⊕ C\$539⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-9	C\$539.00 each
Qty 10+	C\$511.00 each
Need More?	Request Quote

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General

Linear Polarizer **Type:**

Physical & Mechanical Properties

11.25 **Clear Aperture CA (mm):**

12.50 **Diameter (mm):**

2.00 ±0.2 **Thickness (mm):**

Dimensional Tolerance (mm):
+0.0/-0.2

Construction:
Nanoparticle

Clear Aperture (%):
90

Optical Properties

Angle of Incidence (°):
±20

Extinction Ratio:
>100,000:1 (900nm - 1200nm)
>10,000:1 (750nm - 1400nm)
>1,000:1 (650nm - 1700nm)

Substrate:
Soda Lime Float Glass

Transmission (%):
>80

Transmitted Wavefront, P-V:
< $\lambda/4$

Beam Deviation (arcmin):
<1

Polarization Axis Mark (%):
±2

Wavelength Range (nm):
650 - 1700

Environmental & Durability Factors

Operating Temperature (°C):
-20 to +120

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

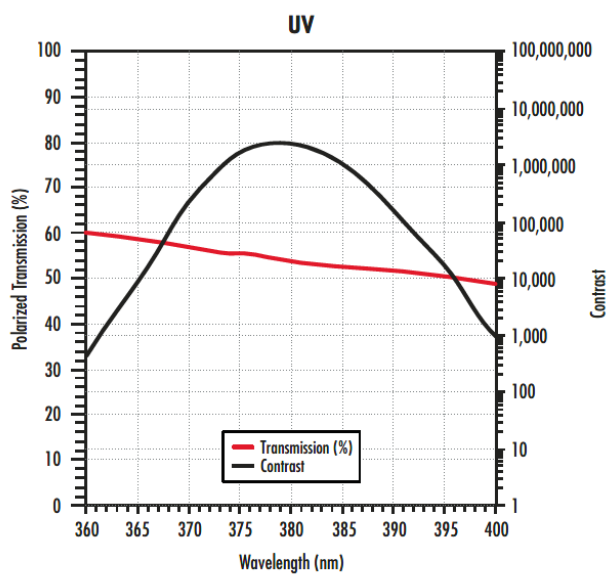
REACH 241:
[Compliant](#)

Product Details

- Multiple Wavelength Ranges for UV, VIS and NIR
- >100,000:1 Contrast Ratios Available
- Ideal for Use in Harsh Environments

UV, VIS-NIR, and NIR High Contrast Polarizers offer both versatility and performance over a wide range of wavelengths. These polarizers contain uniformly stretched silver nano-particles in a $220 \pm 25 \mu\text{m}$ thick soda-lime glass laminated on a thicker soda-lime substrate for increased durability. UV, VIS-NIR, and NIR High Contrast Polarizers are ideal for harsh environments, can withstand up to 120°C , are resistant to UV-radiation and chemicals, and can be safely used in humid environments.

Technical Information





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