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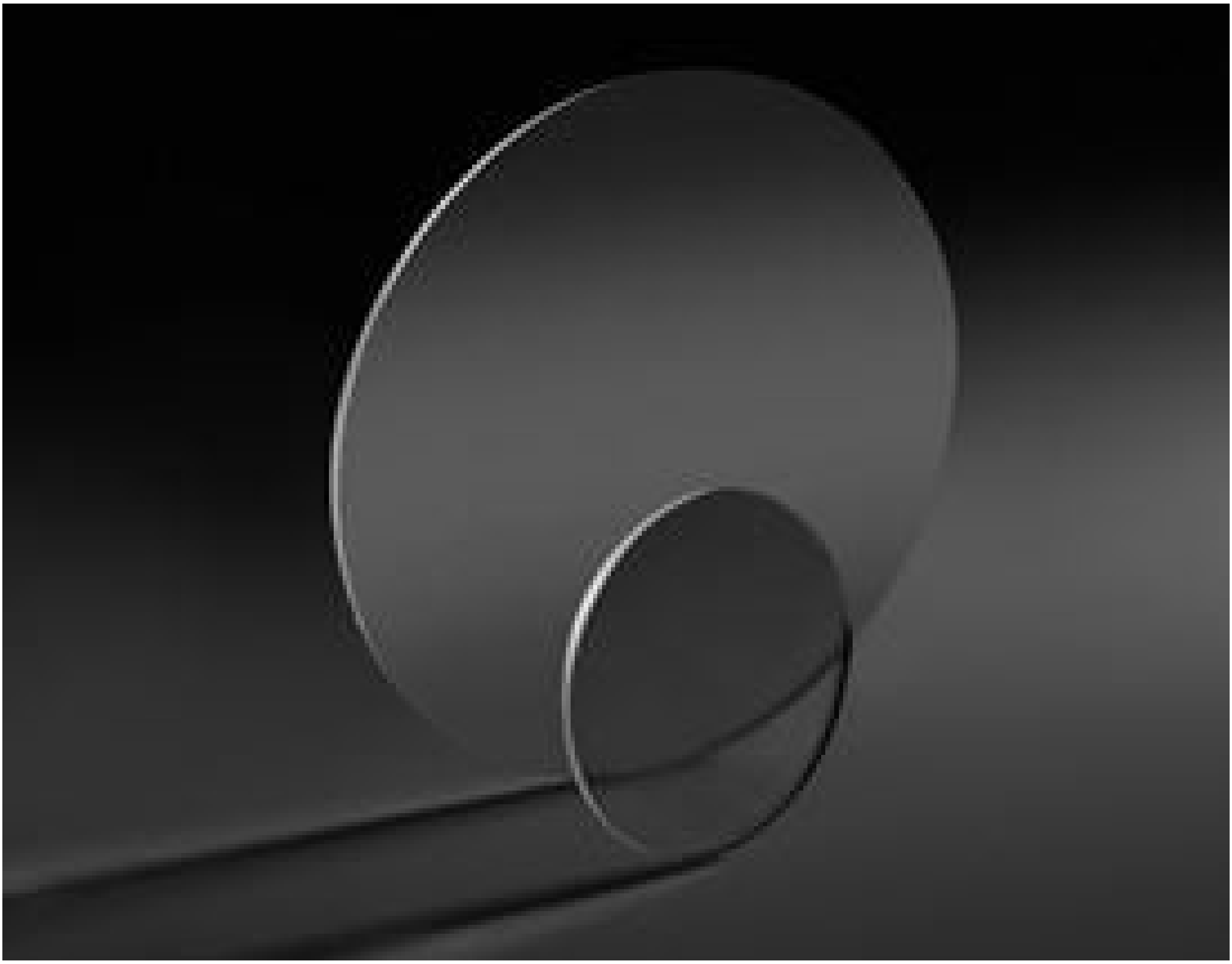
12.5mm Dia., UV Wire Grid Linear Polarizer



UV Wire Grid Linear Polarizers

Stock **#17-153** CONTACT US

- 1 + **C$1,981**.00

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Qty 1+	**C$1,981.00** each
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General

Type:

Linear Polarizer

Note:

When the Reference Mark is oriented to the 3 or 9 o'clock position, the transmission axis runs left to right.

Physical & Mechanical Properties

Clear Aperture CA (mm):

10.00

Diameter (mm):

12.50 ±0.40

Thickness (mm):

1.00 ±0.10

Construction:

Wire Grid

Alignment Tolerance (°):

±1.0

Optical Properties

Angle of Incidence (°):

0 ±20

Coating:

Uncoated

Extinction Ratio:

4:1 @ 240nm
15:1 @ 254nm
20:1 @ 260nm
90:1 @ 300nm
200:1 @ 340nm
1600:1 @ 400nm

Substrate:

Fused Silica (Corning 7980)

Surface Quality:

60-40

Transmission (%):

40% @ 240nm
65% @ 254nm
67% @ 260nm
75% @ 300nm
80% @ 340nm
82% @ 400nm

Wavelength Range (nm):

240 - 400

Threading & Mounting

Mount:

Unmounted

Material Properties

Thermal Expansion:

5.5 x 10^{-7}/°C

Environmental & Durability Factors

Operating Temperature (°C):

+150 (Maximum)

Regulatory Compliance

RoHS 2015:

Compliant

Reach 224:

Compliant

Certificate of Conformance:

View

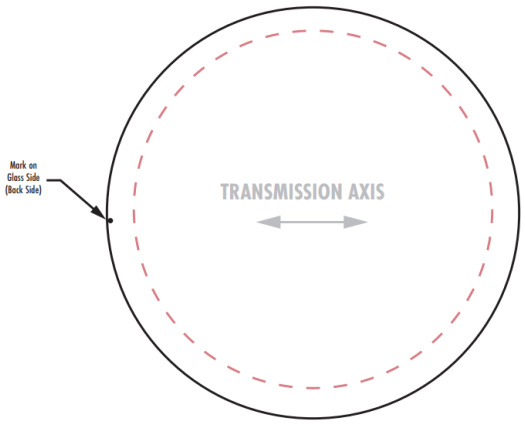
Product Details

- High Transmission from 240 - 400nm
- Uniform Brightness and Contrast
- Ideal for UV or Deep UV Applications
- Visible and Infrared (IR) Wire Grid Polarizers Also Available

UV Wire Grid Linear Polarizers have high transmission from 240 - 400nm, making them ideal for applications in the ultraviolet (UV) or deep UV. S-polarized light reflects off the wire grid of these polarizers while p-polarized light is transmitted. These polarizers provide a wide acceptance angle, uniform brightness and contrast, and high grid uniformity. UV Wire Grid Linear Polarizers are used in biomedical, forensic, photo-alignment, spectroscopic, security, semiconductor manufacturing, and UV curing applications. Visible Wire Grid Polarizers and Infrared (IR) Wire Grid Polarizers are also available.

Note: These polarizers should be handled with care to avoid touching the wire grid surface to prevent damage to the part.

Technical Information



Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our **Optics Cleaning Resources** for step-by-step guides and best practices. For personalized assistance, **Email us** or **Chat** with our technical support team.

Component Handling Tools

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