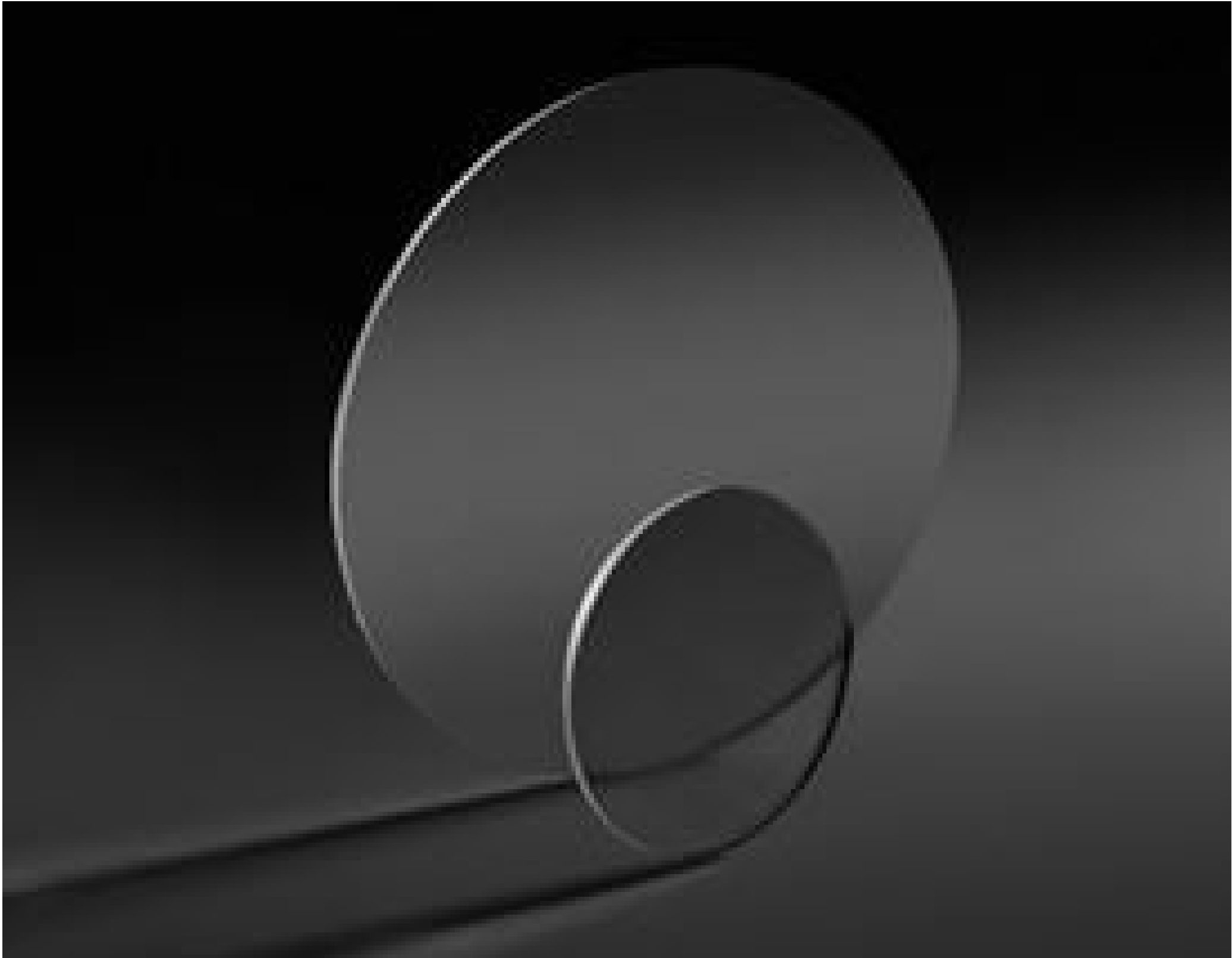


50mm Dia., UV Wire Grid Linear Polarizer



UV Wire Grid Linear Polarizers

Stock **#17-155** [CONTACT US](#)

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1

+

SS\$4,564⁰⁰

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General	
Linear Polarizer	Type:
	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	
47.00	Clear Aperture CA (mm):
	Diameter (mm):

50.00 ±0.40	
1.00 ±0.10	Thickness (mm):
Wire Grid	Construction:
±1.0	Alignment Tolerance (°):

Optical Properties

0 ±20	Angle of Incidence (°):
Uncoated	Coating:
4:1 @ 240nm 15:1 @ 254nm 20:1 @ 260nm 90:1 @ 300nm 200:1 @ 340nm 1600:1 @ 400nm	Extinction Ratio:
Fused Silica (Corning 7980)	Substrate:

60–40	Surface Quality:
40% @ 240nm 65% @ 254nm 67% @ 260nm 75% @ 300nm 80% @ 340nm 82% @ 400nm	Transmission (%):

240 - 400	Wavelength Range (nm):
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Threading & Mounting

Unmounted	Mount:
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Material Properties

5.5 x 10 ⁻⁷ /°C	Thermal Expansion:
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Environmental & Durability Factors

+150 (Maximum)	Operating Temperature (°C):
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Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 224:
View	Certificate of Conformance:

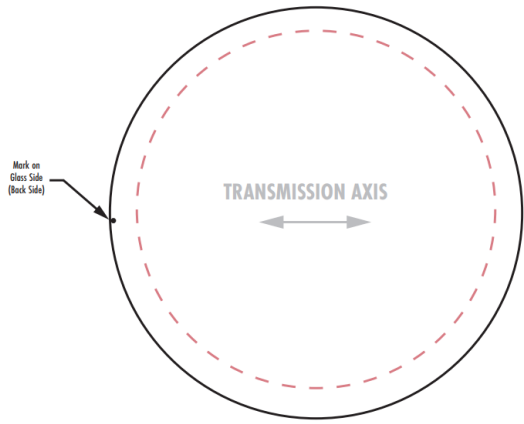
Product Details

- 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