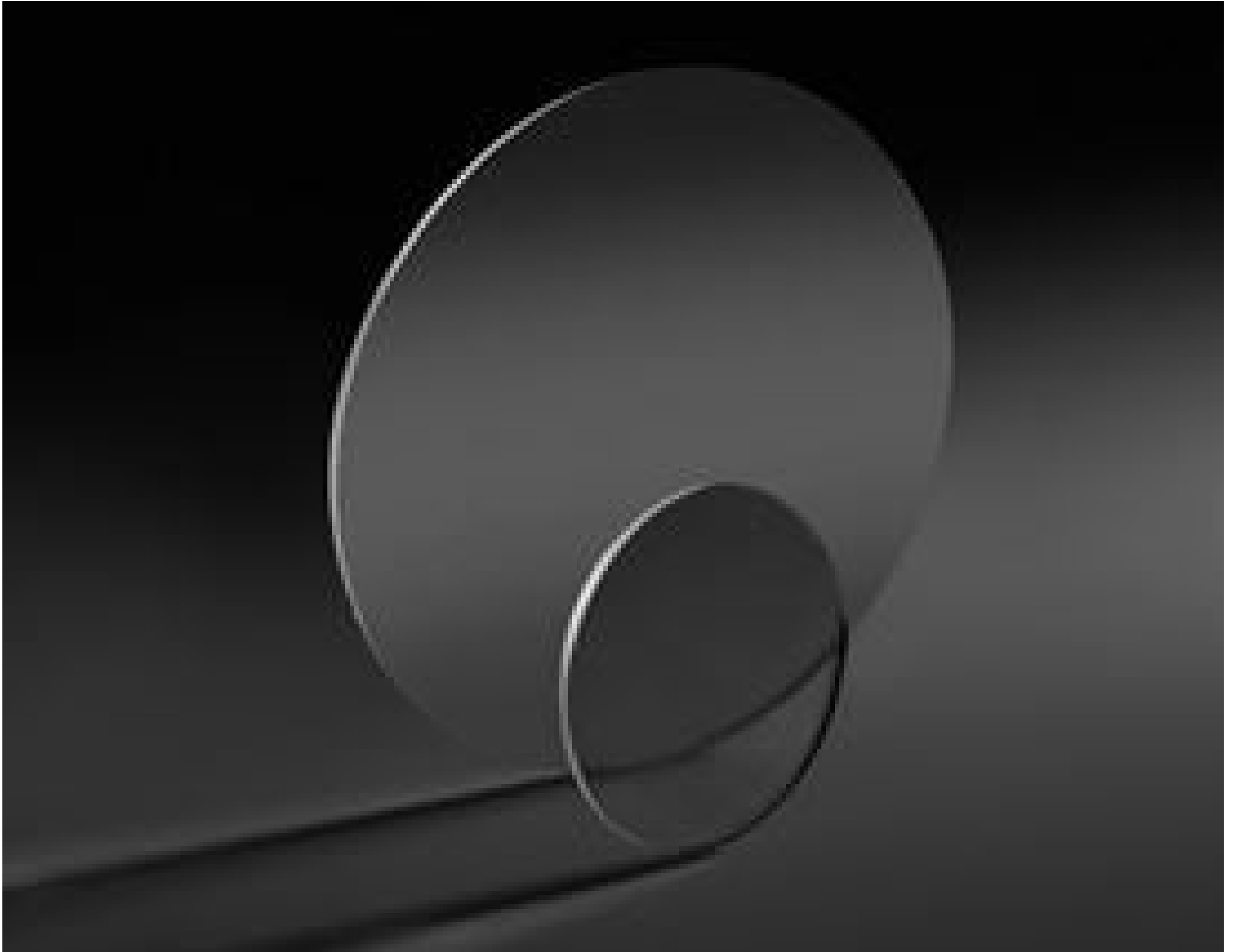


[See all 3 Products in Family](#)

## 50mm Dia., UV Wire Grid Linear Polarizer



UV Wire Grid Linear Polarizers

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

⊖ 1 ⊕ C\$4,564<sup>00</sup>

**ADD TO CART**

### Volume Pricing

Qty 1+	C\$4,564.00 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

### 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	<b>Thickness (mm):</b>
Wire Grid	<b>Construction:</b>
±1.0	<b>Alignment Tolerance (°):</b>
<b>Optical Properties</b>	
0 ±20	<b>Angle of Incidence (°):</b>
Uncoated	<b>Coating:</b>
4:1 @ 240nm 15:1 @ 254nm 20:1 @ 260nm 90:1 @ 300nm 200:1 @ 340nm 1600:1 @ 400nm	<b>Extinction Ratio:</b>
Fused Silica (Coming 7980)	<b>Substrate:</b> <input type="checkbox"/>
60-40	<b>Surface Quality:</b>
40% @ 240nm 65% @ 254nm 67% @ 260nm 75% @ 300nm 80% @ 340nm 82% @ 400nm	<b>Transmission (%):</b>
240 - 400	<b>Wavelength Range (nm):</b>
<b>Threading &amp; Mounting</b>	
Unmounted	<b>Mount:</b>
<b>Material Properties</b>	
5.5 x 10 <sup>-7</sup> /°C	<b>Thermal Expansion:</b>
<b>Environmental &amp; Durability Factors</b>	
+150 (Maximum)	<b>Operating Temperature (°C):</b>
<b>Regulatory Compliance</b>	
Compliant	<b>RoHS 2015:</b>
Compliant	<b>Reach 224:</b>
View	<b>Certificate of Conformance:</b>

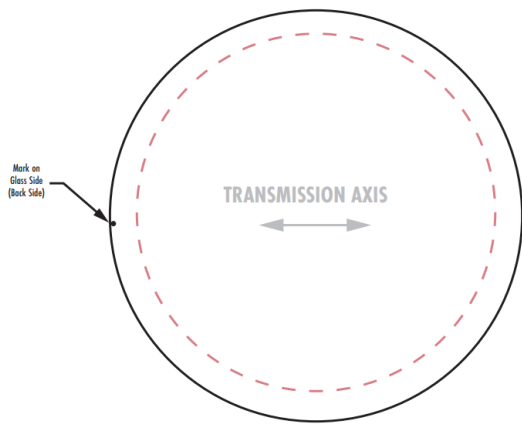
## Product Details

- 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