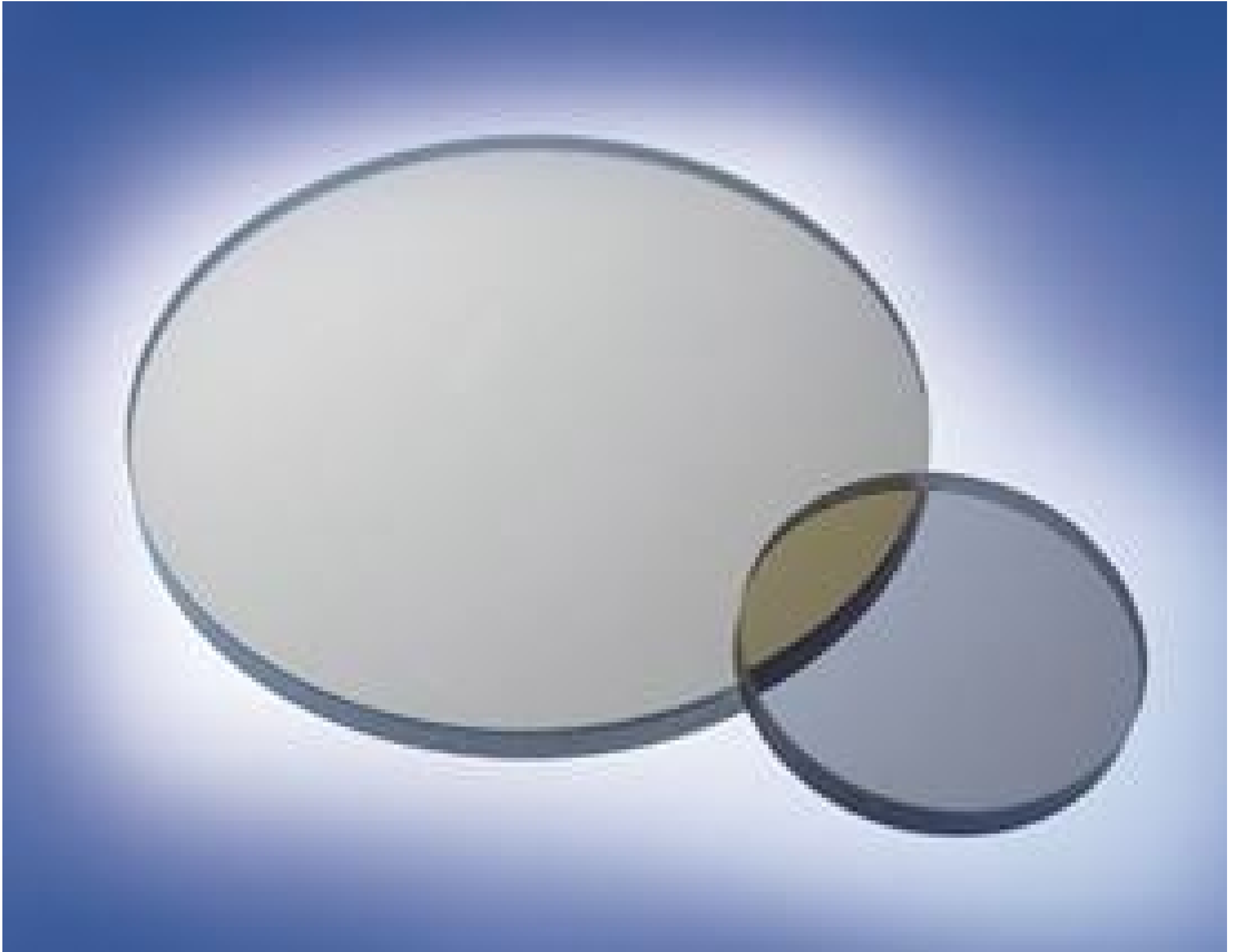


## 5mm Diameter High Contrast VIS-NIR Polarizer



Stock #90-383 NEW **1 In Stock**

£220.<sup>00</sup>

ADD TO CART

Volume Pricing	
Qty 1-10	£220.00 each
Qty 11+	£208.00 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Linear Polarizer

Type:

### Physical & Mechanical Properties

4.50      Clear Aperture CA (mm):

5.00 +0.0/-0.2      Diameter (mm):

2.00 ±0.20	<b>Thickness (mm):</b>
Nanoparticle	<b>Construction:</b>
90	<b>Clear Aperture (%):</b>
<b>Optical Properties</b>	
Double-Side AR Coat	<b>Coating:</b>
>100,000:1 (700nm) >10,000:1 (600 to 850nm) >1,000:1 (600 to 1000nm)	<b>Extinction Ratio:</b>
Sodium Silicate Glass Doped with Glass Nanoparticles	<b>Substrate:</b> <input type="checkbox"/>
40-20	<b>Surface Quality:</b>
>78%	<b>Transmission (%):</b>
<λ4 @ 633nm per 1cm	<b>Transmitted Wavefront, P-V:</b>
<1	<b>Beam Deviation (arcmin):</b>
<0.5 (to indicated edge)	<b>Polarization Axis Mark (%):</b>
600 - 1000	<b>Wavelength Range (nm):</b>
Continuous block Continuous pass Pulse peak power Equivalent pulse power density 10 W/cm <sup>2</sup> 25 W/cm <sup>2</sup> 12 MW/cm <sup>2</sup> 1 μJ/cm <sup>2</sup>	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>
±20	<b>Acceptance Angle (°):</b>

## Threading & Mounting

Unmounted	<b>Mount Thickness (mm):</b>
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## Environmental & Durability Factors

-20 to +120	<b>Operating Temperature (°C):</b>
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## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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## 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 ±25μm 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

