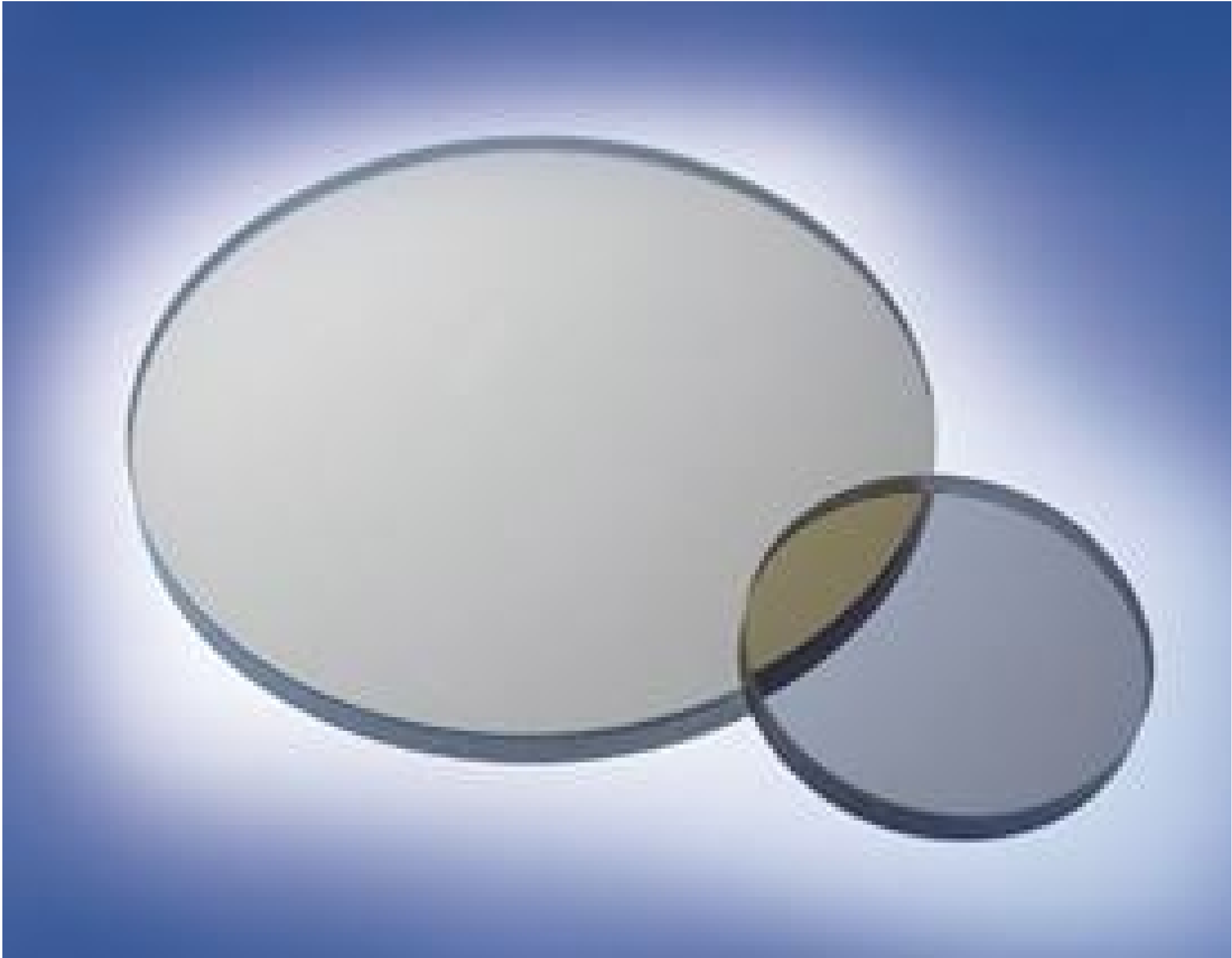


5mm Diameter High Contrast VIS-NIR Polarizer



Stock

#90-383

NEW

1 In Stock

-

1

+

A\$440^{.00}

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Volume Pricing	
Qty 1-10	A\$440.00 each
Qty 11+	A\$416.00 each
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General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

4.50

Diameter (mm):

5.00 +0.0/-0.2

Thickness (mm):

2.00 ±0.20

Nanoparticle	Construction:
90	Clear Aperture (%):
Optical Properties	
Double-Side AR Coat	Coating:
>100,000:1 (700nm) >10,000:1 (600 to 850nm) >1,000:1 (600 to 1000nm)	Extinction Ratio:
Sodium Silicate Glass Doped with Glass Nanoparticles	Substrate: ☐
40-20	Surface Quality:
>78%	Transmission (%):
<N4 @ 633nm per 1cm	Transmitted Wavefront, P-V:
<1	Beam Deviation (arcmin):
<0.5 (to indicated edge)	Polarization Axis Mark (%):
600 - 1000	Wavelength Range (nm):
Continuous block Continuous pass Pulse peak power Equivalent pulse power density 10 W/cm² 25 W/cm² 12 MW/cm² 1 µJ/cm²	Damage Threshold, By Design: ☐
±20	Acceptance Angle (°):
Threading & Mounting	
Unmounted	Mount Thickness (mm):
Environmental & Durability Factors	
-20 to +120	Operating Temperature (°C):
Regulatory Compliance	
View	Certificate of Conformance:

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

