

## 12.5mm Dia. HC VIS-NIR Polarizer, Mounted



Stock #90-388 NEW 9 In Stock

A\$720<sup>00</sup>

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**General**

Linear Polarizer Type:

**Physical & Mechanical Properties**

8.10 Clear Aperture CA (mm):

12.50 Diameter (mm):

Nanoparticle Construction:

## 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 (%):**

<λ/4 @ 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/cm<sup>2</sup>  
25 W/cm<sup>2</sup>  
12 MW/cm<sup>2</sup>  
1 μJ/cm<sup>2</sup> **Damage Threshold, By Design:**

±20 **Acceptance Angle (°):**

## Threading & Mounting

Anodized Aluminum Mount **Mount Thickness (mm):**

5.00 **Mount:**

## 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

