

## 12.5mm Dia. High Contrast UV Polarizer



Stock **#36-650** **2 In Stock**

S\$418<sup>.60</sup>

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Volume Pricing	
Qty 1-9	<b>S\$418.60</b> each
Qty 10+	<b>S\$399.00</b> each
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### Product Downloads

### General

Linear Polarizer **Type:**

### Physical & Mechanical Properties

11.25 **Clear Aperture CA (mm):**

12.50 **Diameter (mm):**

2.00 ±0.2 **Thickness (mm):**

Dimensional Tolerance (mm):  
+0.0/-0.2

Construction:  
Nanoparticle

Clear Aperture (%):  
90

## Optical Properties

Angle of Incidence (°):  
±20

Extinction Ratio:  
>100,000:1 (372nm - 388nm)  
>10,000:1 (369nm - 390nm)  
>1,000:1 (365nm - 395nm)

Substrate:   
Soda Lime Float Glass

Transmission (%):  
>51

Transmitted Wavefront, P-V:  
<  $\lambda/4$

Beam Deviation (arcmin):  
<1

Polarization Axis Mark (%):  
±2

Wavelength Range (nm):  
365 - 395

## Environmental & Durability Factors

Operating Temperature (°C):  
-20 to +80

## Regulatory Compliance

RoHS 2015:  
[Compliant](#)

Certificate of Conformance:  
[View](#)

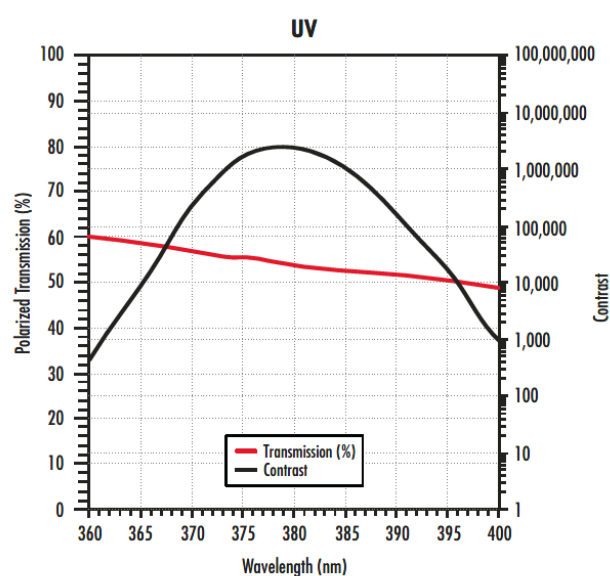
REACH 241:  
[Compliant](#)

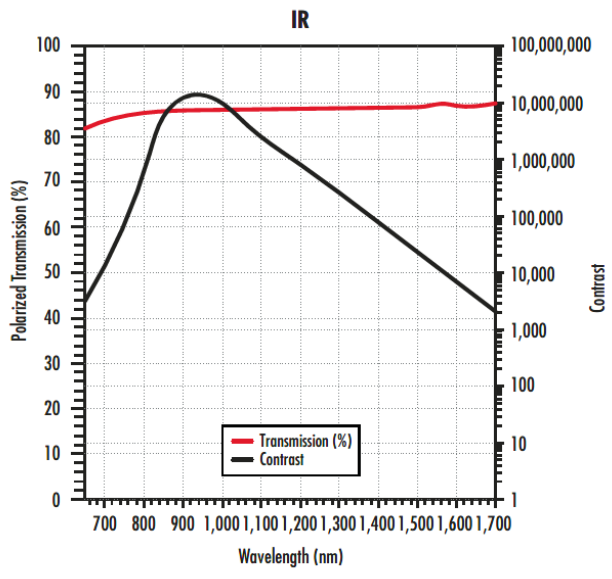
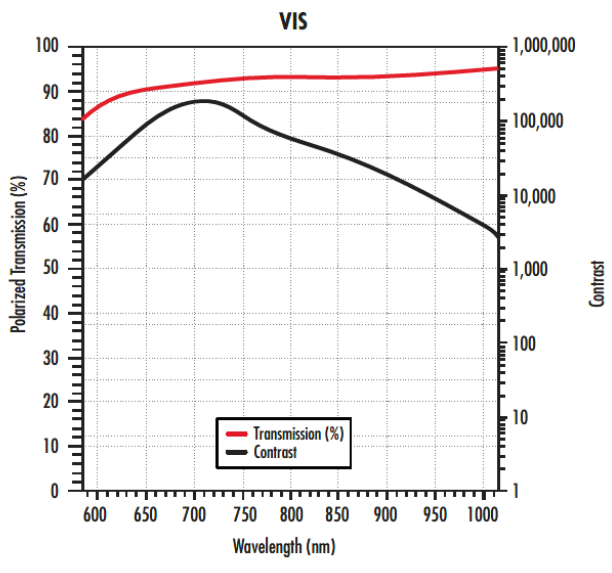
## Product Details

- 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  $220 \pm 25 \mu\text{m}$  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  $120^\circ\text{C}$ , are resistant to UV-radiation and chemicals, and can be safely used in humid environments.

## Technical Information





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