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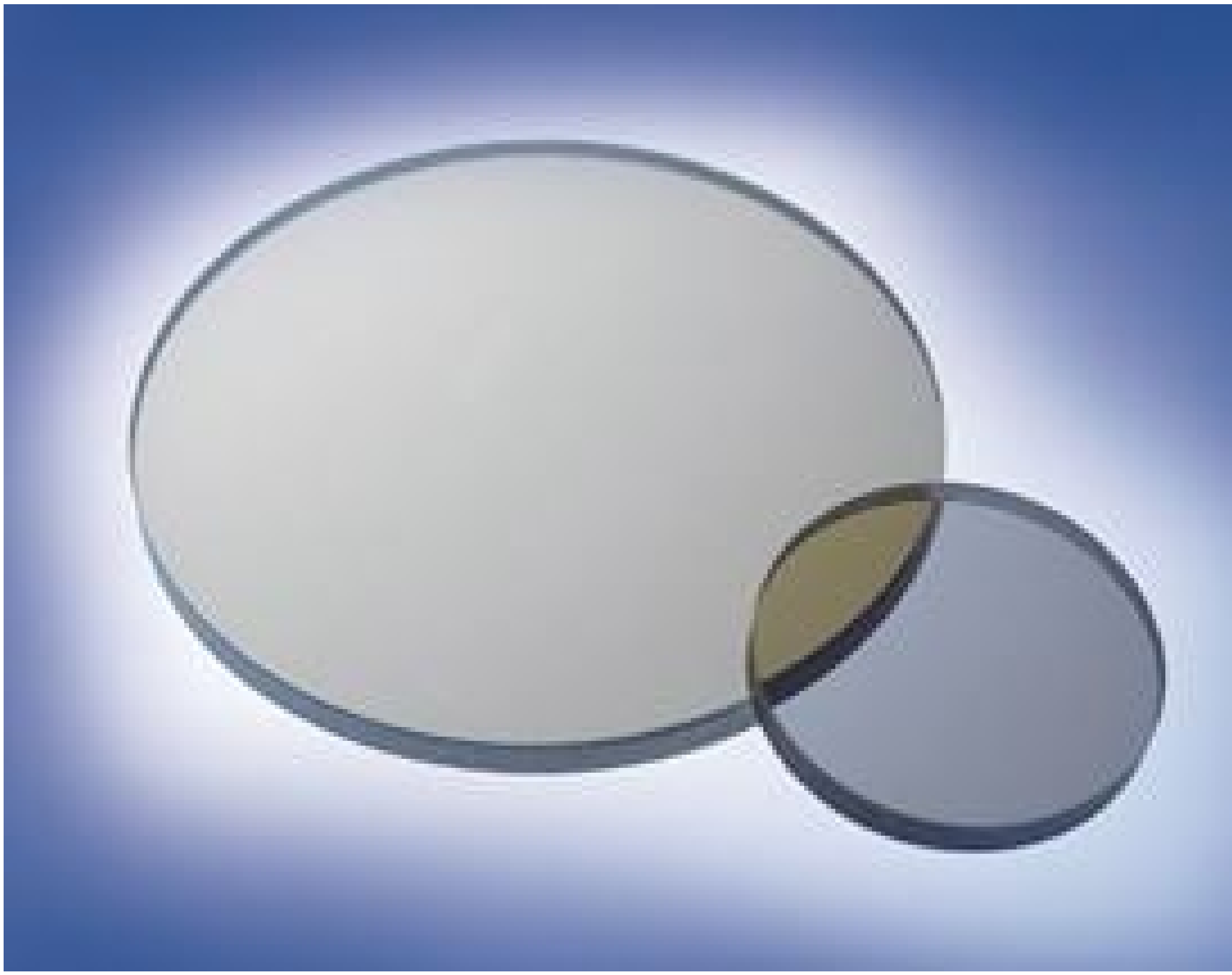
12.5mm Dia. High Contrast IR Polarizer



Stock **#36-654** **9 In Stock**

- 1 + **£308**.00

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Volume Pricing	
Qty 1-9	**£308.00** each
Qty 10+	**£292.00** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

11.25

Diameter (mm):

12.50

Thickness (mm):
2.00 ±0.2

Dimensional Tolerance (mm):
+0.0/-0.2

Construction:
Nanoparticle

Clear Aperture (%):
90

Optical Properties

Angle of Incidence (°):
±20

Extinction Ratio:
>100,000:1 (900nm - 1200nm)
>10,000:1 (750nm - 1400nm)
>1,000:1 (650nm - 1700nm)

Substrate:
Soda Lime Float Glass

Transmission (%):
>80

Transmitted Wavefront, P-V:
< λ/4

Beam Deviation (arcmin):
<1

Polarization Axis Mark (°):
±2

Wavelength Range (nm):
650 - 1700

Environmental & Durability Factors

Operating Temperature (°C):
-20 to +120

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

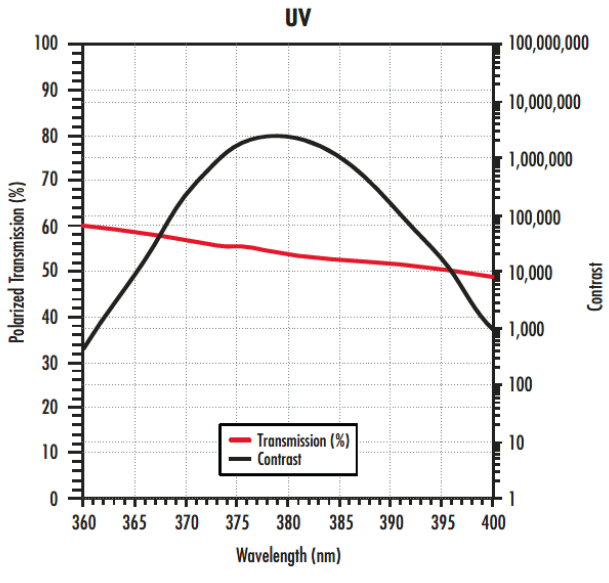
REACH 241:
Compliant

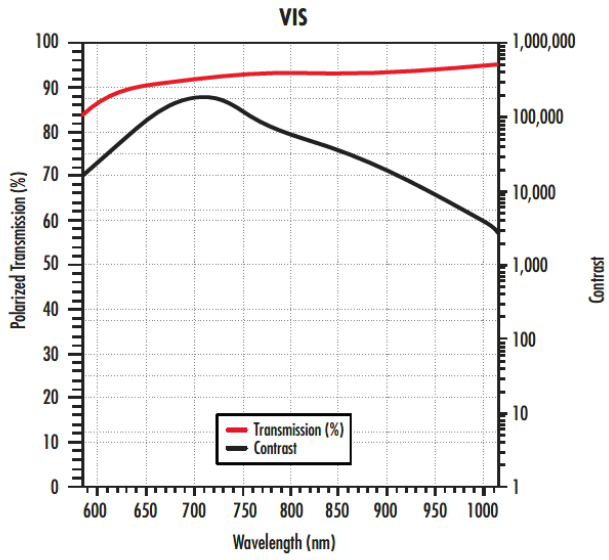
Product Details

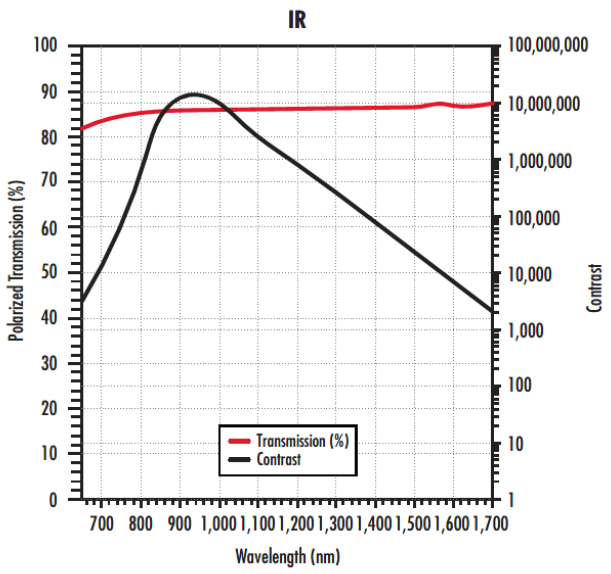
- Multiple Wavelength Ranges for UV, VIS and NIR
- >100,000:1 Contrast Ratios Available
- Ideal for Use in Harsh Environments

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 ±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




VIS
Polarized Transmission (%)
Contrast
Wavelength (nm)
Transmission (%)
Contrast
100
90
80
70
60
50
40
30
20
10
0
1,000,000
100,000
10,000
1,000
100
10
1
600
650
700
750
800
850
900
950
1000


IR
Polarized Transmission (%)
Contrast
Wavelength (nm)
Transmission (%)
Contrast
100
90
80
70
60
50
40
30
20
10
0
100,000,000
10,000,000
1,000,000
100,000
10,000
1,000
100
10
1
700
800
900
1,000
1,100
1,200
1,300
1,400
1,500
1,600
1,700

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