

glass sheet polarizer	
colorPol® IR 1300 BC5 008742	
linear VIS-NIR-polarizer	Date: 21.10.2021

Wavelength range with **contrast > 100 000 : 1**
(Contrast = ratio of parallel and perpendicular transmittance)
Transmittance (uncoated)

850 to 1600 nm
> 82 % up to 86 %

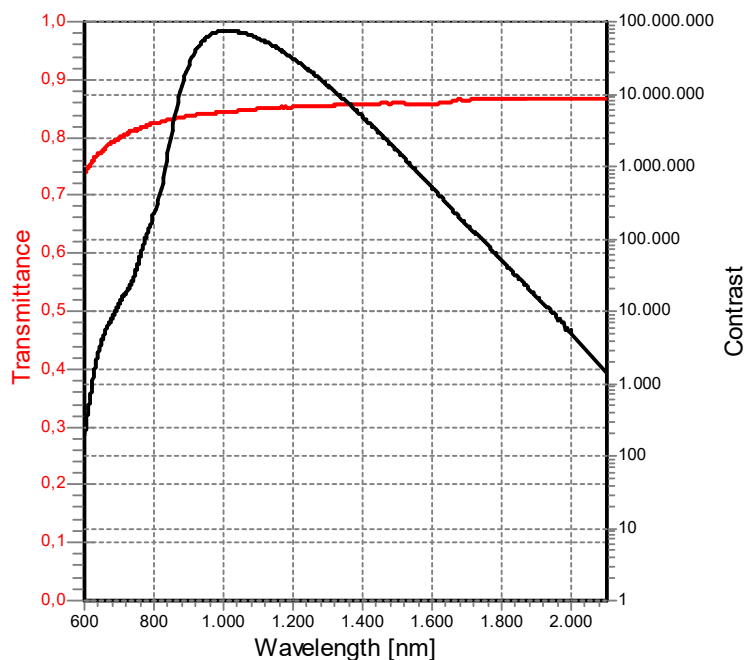
Wavelength range with **contrast > 10 000 : 1**
Transmittance (uncoated)

750 to 1800 nm
> 80 % up to 87 %

Wavelength range with **contrast > 1 000 : 1**
Transmittance (uncoated)

650 to 2000 nm
> 76 % up to 87 %

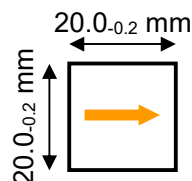
Spectral response



Filter thickness

2.0 ± 0.2 mm

Filter size



→ Polarization (electric field vector of transmitted light)

Clear aperture

95 % of surface dimension

Surface imperfections (scratch / dig)

40 / 20 (MIL-O-13830A)

Polarization axis

< 0.5° to edge

Wavefront distortion (Ø10 mm)

< $\lambda/4$ at 633 nm

Acceptance angle

$\pm 20^\circ$

Operating temperature

-20 .. +120 °C

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