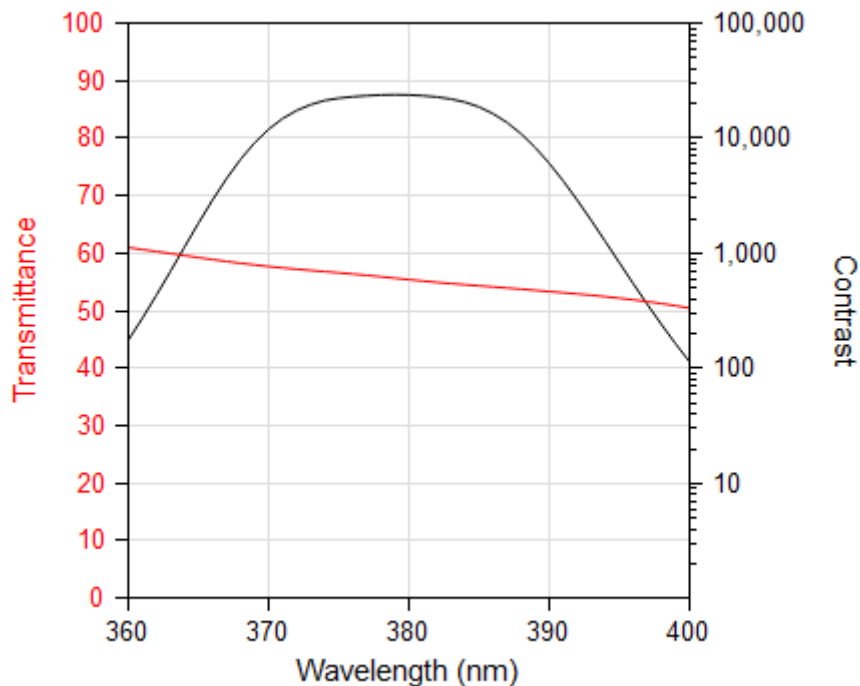


colorPol® UV 380 BC4 T1

Developed to match special needs of UV applications between 366 nm and 392 nm. This polarizer utilizes dichroism of silver nanoparticles in glass to achieve superior contrast and durability.

Custom shapes, sizes and patterned structures are possible due to larger manufactured substrates. For assistance please contact your CODIXX Sales Engineer or one of the local distributors with your custom requirements.



Key Benefits

- Thickness 90 µm
- Transmittance > 48 % (up to 59 %)
- Contrast ratio greater than 10,000 : 1
- Ideal for applications using the UV wavelength ranges
- Customization
- Highly durable

Spectral range	UV
Wavelength range with contrast > 1,000 : 1 ⁽¹⁾ > 10,000 : 1 ⁽¹⁾	366 to 392 nm 371 to 386 nm
Transmittance uncoated	> 48 % up to 59 %
Filter thickness	90 ± 25 µm
Acceptance angle	± 20°
Accuracy of polarization axis to edge	< 0.5°
Usual surface quality (MIL-O-13830A: Scratch / Dig) ⁽²⁾	40 / 20
Operating temperature	-50 to +400 °C
Transmitted wavefront distortion at 633 nm over an inspection area of Ø10 mm	< 3 λ
Recommended safe operation limit Laser damage threshold Continuous block Continuous pass Pulse peak power Equivalent pulse power density	10 W/cm ² 25 W/cm ² 12 MW/cm ² 1 µJ/cm ²
⁽¹⁾ contrast: ratio of parallel to perpendicular transmittance ⁽²⁾ other specifications available on request	



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