

S & R Optic GmbH

Enabling Crystal Optics Solutions



- Waveplates VUV-NIR
- Polarization Rotators
- Polarizing Prisms
- Polarization Components
- Crystal Flats



www.sr-optic.com

Products

Waveplates VUV-NIR

Crystal Quartz Multiple- and Zero- Order Waveplates.

Wavelength: 193 nm – 2000 nm

Retardation: $\lambda/4$ - $\lambda/2$ ($\lambda/8$ and other values)

Retardation Tolerance: $\lambda/200$ - $\lambda/500$

Diameter: 10 mm - >50 mm,

Parallelism: $\leq 0,5$ arc sec.

Surface Quality: 10-5 scratch-dig

Damage Threshold: 1 MW/cm² cw @ 1064nm

AR-coatings and ring-mounts available upon request.

Polarization Rotators

Crystal Quartz Rotators, Z-Cut

Wavelength: 248 nm – 1064 nm

Rotation Values: 45° and 90°

Rotation tolerance: $\pm \leq 0,5^\circ$

Thickness: 1,3 – 16 mm

Diameter: 10 mm - >30 mm,

Parallelism: $\leq 0,5$ arc sec.

Surface Quality: 10-5 scratch-dig

Damage Threshold: 1 MW/cm² cw @ 1064nm

AR-coatings and ring-mounts available upon request.

Polarization Components

Quartz and Calcite Prism Polarizer like:

Glan-Taylor, Glan-Thompson, Wollaston

Depolarizer: Cornu, Lyot, Hanle

Beam Displacer, Calcite Rhombs

Dimension: 10 mm - 30 mm

Spectral Range: 250 nm – 2700 nm

Crystal- Optical Flats

CaF₂, MgF₂, BaF₂, LiF others

Shapes: Square, rectangle, round

Spectral range: VUV – IR

Sizes: 10 mm – 100 mm

Spec: Surface, Flatness & Parallelism
according shape/thickness ratio



Contact us!

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