

[All Products](#) / [Optics](#) / [Polarization](#)
/ [Crystalline Waveplates](#) / [Quartz](#)

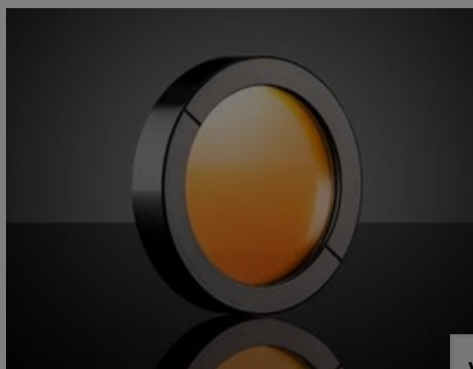
[See all 125 Products in Family](#)

30mm Dia. 1064nm

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit



1

€428⁰⁰

ADD TO CART

Volume Pricing

Qty 1-5	€428,00 each
Qty 6+	€345,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

Type: Crystalline Waveplate

Physical & Mechanical Properties

Clear Aperture CA (mm):	23.0	Diameter (mm):	30.00 +0.00/-0.25
Thickness (mm):	6.00 +0.00/-0.25	Construction:	Crystalline
Parallelism (arcsec):	<3		

Optical Properties

Coating:	Laser V-Coat (1064nm)	Design Wavelength DWL (nm):	1064
Substrate:	Crystal Quartz	Retardance:	$\lambda/2$
Surface Quality:	10-5	Transmitted Wavefront, P-V:	$\lambda/8$ for central 80% of clear aperture
Retardance Tolerance:	$\pm\lambda/200$	Temperature Coefficient ($\lambda/^\circ\text{C}$):	0.0015
Damage Threshold, By Design:	3.5 J/cm ² @ 1064nm, 10ns	Retardance Order:	Multiple Order

Regulatory Compliance

RoHS 2015: [Compliant](#)

Certificate of Conformance: [View](#)

Reach 240: [Compliant](#)

Product Details

- Zero Order and Multiple Order Waveplates
- $\lambda/4$ and $\lambda/2$ Retardance
- Mounted in Black Anodized Aluminum Frame
- **Zero Order Polymer Waveplates** Also Available

Quartz Waveplates (Retarders) are available in many sizes and thicknesses for applications where the wavelength deviates less than 1% from the design wavelength. They are recommended due to their increased bandwidth and stability. The design wavelength is marked on the edge of the mount to ease system integration.

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region:

Zero order waveplates are ideal for applications where the wavelength deviates less than 1% from the design wavelength. They are recommended due to their increased bandwidth and stability. The design wavelength is marked on the edge of the mount to ease system integration.

LASER OPTICS MADE BY EDMUND OPTICS®

[LEARN MORE](#)

Technical Information

Related Products



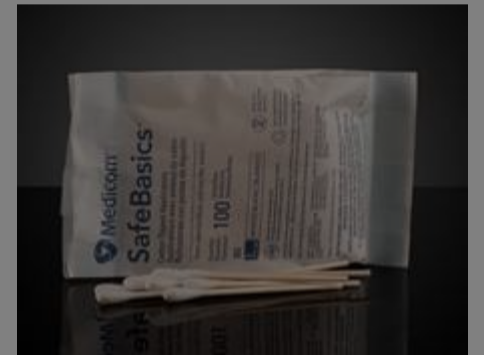
Compact Direct Mounts



Metric Polarizer Mounts



High Energy Quartz Waveplates



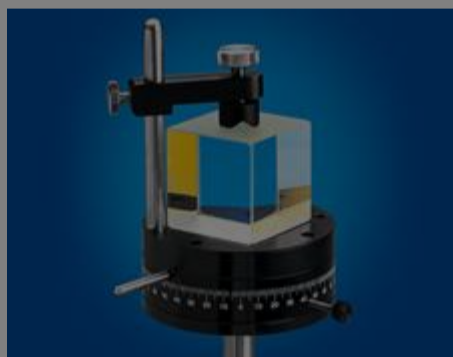
Cotton-Tipped Swab Applicators

Frequently Purchased Together



#46-406 - 100X Mitutoyo Plan Apo NIR Infinity Corrected Objective
€6.980,00

Qty



#53-027 - Rotary Mount with Prism Holder
€278,00

Qty



#54-623 - 12.5mm Diameter, C-Mount Thick Optic Mount
€59,50

Qty



#57-569 - 30mm, Polarizer Mount
€221,00

Qty



Resources

Media Type

- Application Note
- Technical Tool

APPLICATION NOTE

Introduction to Polarization

TECHNICAL TOOL

Laser-Cut Polymer Polarizer and Retarder...

APPLICATION NOTE

Polymer Polarizers and Retarders

- Video
- FAQ
- Glossary

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region:

▶ VIDEO

How Do 3D
Movies Work?
Polarization

View More