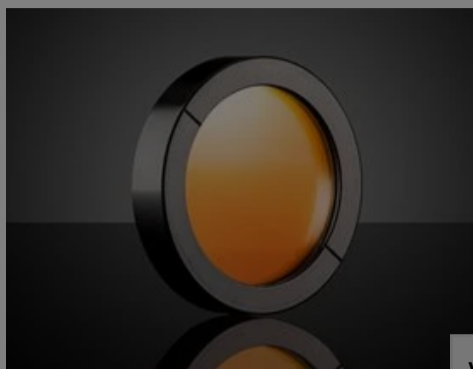


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50.8mm Dia. 1064nm



- 1 +

€1.790^{,00}

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Volume Pricing	
Qty	€1.790,00
1+	each
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Product Downloads

[EO Spec Sheet](#)

General

Type: Crystalline Waveplate

Configuration: Air spaced

Physical & Mechanical Properties

Clear Aperture CA (mm): 35.00

Diameter (mm): 50.80
+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: $\lambda/4$

Surface Quality: 20-10

Transmitted Wavefront, P-V: $\lambda/8$ @ 632.8nm

Retardance Tolerance: $\pm\lambda/300$

Temperature Coefficient ($\lambda/^\circ\text{C}$): 0.0001

Coating Specification: $R_{\text{abs}} < 0.2\%$ @ on each surface

Damage Threshold, By Design: $> 10 \text{ J/cm}^2$ @ 1064 nm, 10ns

Retardance Order: 0

Regulatory Compliance

RoHS 2015: [Compliant](#)

Certificate of Conformance: [View](#)

Reach 247: [Compliant](#)

Product Details

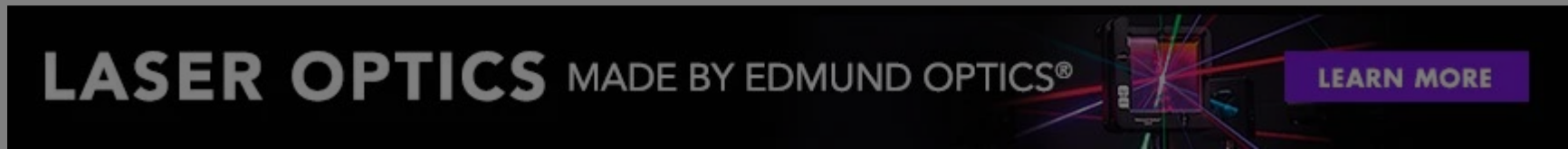
- Zero Order and Multiple Order Waveplates
- $\lambda/4$ and $\lambda/2$ Retardance
- Mounted in Black Anodized Aluminum Frame
- **Zero Order Polymer Waveplates** Also Available

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.

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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.



Technical Information

Related Products



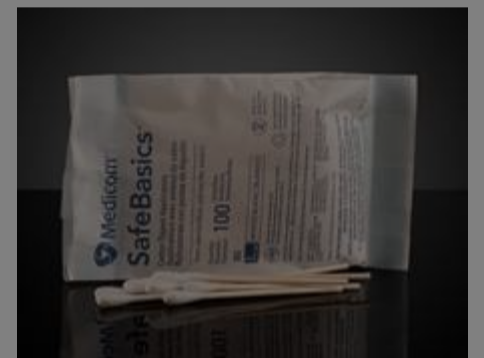
Compact Direct Mounts



Metric Polarizer Mounts



High Energy Quartz Waveplates



Cotton-Tipped Swab Applicators

Frequently Purchased Together



#14-288 - 25.4mm Dia. 1064nm $\lambda/2$ Quartz Waveplate Zero Order
€545,00

Qty



#16-890 - 50.8mm Dia. 1030nm $\lambda/4$ Quartz Waveplate Zero Order
€1.790,00

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
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- Glossary

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