

[« See all 125 Products in Family](#)
[All Products](#) / [Optics](#) / [Polarization Optics](#) / [Retarders \(Waveplates\)](#) / [Crystalline Waveplates](#) / [Quartz Waveplates \(Retarders\)](#)

30mm Dia. 355nm $\lambda/2$ Quartz Waveplate Zero Order


 Stock #65-900 **2 In Stock**

- 1 +

 £556^{.00}
[ADD TO CART](#)

Volume Pricing	
Qty 1-5	£556.00 each
Qty 6+	£449.60 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 (355nm)

Design Wavelength DWL (nm): 355

Substrate: Crystal Quartz

Retardance: $\lambda/2$

Surface Quality: 10-5

Transmitted Wavefront, P-V: $\lambda/8$ for central 80% of clear aperture

Retardance Tolerance: $\pm\lambda/100$

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

Retardance Order: 0

Regulatory Compliance

RoHS 2015: [Compliant](#)

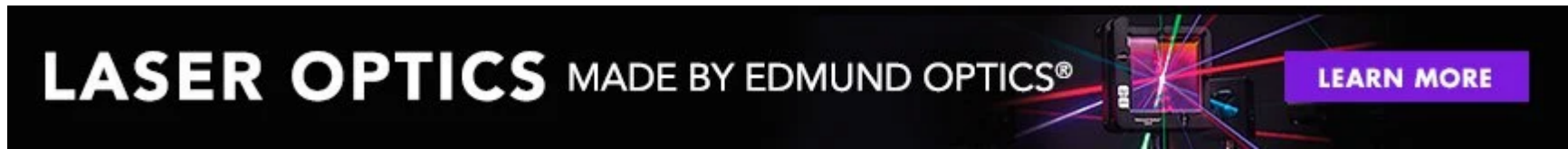
Certificate of Conformance: [View](#)

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 multiple order and zero order. These waveplates are ideal for a range of applications. Multiple order waveplates are ideal for applications where the wavelength deviates less than $\pm 1\%$ from the design wavelength of the waveplate. For applications with a greater than $\pm 1\%$ deviation, zero order waveplates are recommended due to their increased bandwidth and lower sensitivity to temperature change. Quartz Waveplates (Retarders) have the fast axis 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



#32-506 - 40mm 50R/50T Cube Beamsplitter
£384.00

Qty



#33-317 - 25.4mm 355nm, High Energy Polarizing Cube Beamsplitter
£1,032.00

Qty



#48-480 - 30mm Dia. 532nm $\lambda/2$ Quartz Waveplate Multiple Order
£342.40

Qty



#57-569 - 30mm, Polarizer Mount
£176.80

Qty



Resources

Media Type

APPLICATION NOTE

Introduction to Polarization

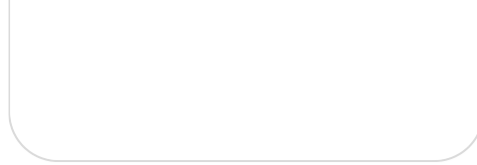
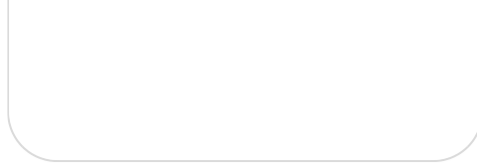
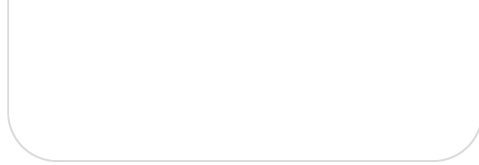
TECHNICAL TOOL

Laser-Cut Polymer Polarizer and Retarder...

APPLICATION NOTE

Polymer Polarizers and Retarders

- Application Note
- Technical Tool
- Video
- FAQ
- Glossary



APPLICATION NOTE

Polarizer Selection Guide

APPLICATION NOTE

Understanding Waveplates and Retarders

VIDEO

How Do 3D Movies Work? Polarization

[View More](#)