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50.8mm Dia. 532nm λ /4 Quartz Waveplate Zero Order



Stock **#85-048** CLEARANCE **2 In Stock**

-

1

+

€1.790⁰⁰

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Volume Pricing	
Qty 1-5	€1.790,00 each
Qty 6+	€1.445,00 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Crystalline Waveplate

Type:

Physical & Mechanical Properties

34.00

Clear Aperture CA (mm):

50.80 +0.00/-0.25	Diameter (mm):
9.00 +0.00/-0.25	Thickness (mm):
Crystalline	Construction:
<3	Parallelism (arcsec):

Optical Properties

Laser V-Coat (532nm)	Coating:
532	Design Wavelength DWL (nm):
Crystal Quartz	Substrate: 
$\lambda/4$	Retardance:
10-5	Surface Quality:
$\lambda/10$ for central 80% of clear aperture	Transmitted Wavefront, P-V:
$\pm\lambda/200$	Retardance Tolerance:
0.0001	Temperature Coefficient ($\lambda/^{\circ}\text{C}$):
0	Retardance Order:

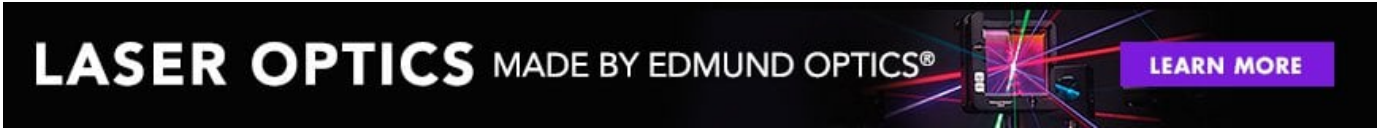
Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 209:
View	Certificate of Conformance:

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

