

12.7mm Dia. 780nm $\lambda/2$ Quartz Waveplate Zero Order



Stock **#85-041** 4 In Stock

-

1

+

S\$645^{.19}

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Qty 1-5	S\$645.19 each
Qty 6+	S\$521.23 each
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SPECIFICATIONS

General

Type:

Crystalline Waveplate

Physical & Mechanical Properties

Clear Aperture CA (mm):

8.00	
	Diameter (mm):
12.70 +0.00/-0.25	
	Thickness (mm):
6.40 +0.00/-0.25	
	Construction:
Crystalline	

	Parallelism (arcsec):
<3	

Optical Properties

	Coating:
Laser V-Coat (780nm)	
	Design Wavelength DWL (nm):
780	

	Substrate: □
Crystal Quartz	
	Retardance:
$\lambda/2$	

	Surface Quality:
10-5	
	Transmitted Wavefront, P-V:
$\lambda/10$ for central 80% of clear aperture	

	Retardance Tolerance:
$\pm\lambda/200$	
	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

