

12.7mm Dia., 1064nm, $\lambda/2$ High Energy Waveplate



High Energy Quartz Waveplates

Stock **#25-453** 4 In Stock

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1

+

€499⁰⁰

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Volume Pricing	
Qty 1-10	€499,00 each
Qty 11+	€411,00 each
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Product Downloads

General	
High Energy Waveplate	Type:
Physical & Mechanical Properties	
8.0	Clear Aperture CA (mm):
12.70	Diameter (mm):

+0/-0.2		Dimensional Tolerance (mm):
Optically Bonded on UVFS (C7980) Substrate		Construction:
<3		Parallelism (arcsec):
Optical Properties		
R _{avg} <0.3%		Coating:
1064		Design Wavelength DWL (nm):
Crystalline Quartz		Substrate: ☐
λ/2		Retardance:
20-10		Surface Quality:
<λ/10 @ 632.8nm		Transmitted Wavefront, P-V:
λ/300 @ 20°C		Retardance Tolerance:
>20 J/cm² @ 1064nm, 10ns, 10Hz		Damage Threshold, By Design: ☐
1		Retardance Order:
Threading & Mounting		
6 ±0.2		Mount Thickness (mm):
Regulatory Compliance		
Compliant		RoHS 2015:
View		Certificate of Conformance:
Compliant		Reach 247:

Product Details

- Damage Threshold up to >20 J/cm² @ 1064nm
- λ/4 and λ/2 Retardance
- Black Anodized Aluminum Mount
- UV to NIR Design Wavelengths Available

High Energy Quartz Waveplates are available in both λ/4 and λ/2 retardance for discrete laser wavelengths from the UV to NIR and can withstand energy densities up to >20 J/cm² at 1064nm. A large acceptance angle and wide operating temperature range enables these waveplates to be integrated into harsh environments applications. High Energy Quartz Waveplates are mounted in a black anodized aluminum housing for easy identification and system integration.