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12.7mm Dia., 355nm, $\lambda/4$ High Energy Waveplate



High Energy Quartz Waveplates

Stock **#25-448** **5 In Stock**

-

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

Type:

High Energy Waveplate

Physical & Mechanical Properties

Clear Aperture CA (mm):

8.0

Diameter (mm):

12.70

+0/-0.2	Dimensional Tolerance (mm):
Optically Bonded on UVFS (C7980) Substrate	Construction:
<3	Parallelism (arcsec):
Optical Properties	
R _{avg} <0.3%	Coating:
355	Design Wavelength DWL (nm):
Crystalline Quartz	Substrate: □
N/4	Retardance:
20-10	Surface Quality:
<N10 @ 632.8nm	Transmitted Wavefront, P-V:
N180 @ 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 $>20 \text{ J/cm}^2$ @ 1064nm
- $\lambda/4$ and $\lambda/2$ Retardance
- Black Anodized Aluminum Mount
- UV to NIR Design Wavelengths Available

High Energy Quartz Waveplates are available in both $\lambda/4$ and $\lambda/2$ retardance for discrete laser wavelengths from the UV to NIR and can withstand energy densities up to $>20 \text{ J/cm}^2$ 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.