

25.4mm Dia., 800nm, $\lambda/4$ High Energy Waveplate



High Energy Quartz Waveplates

Stock **#39-174** **1 In Stock**

-

1

+

€798²⁵

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Volume Pricing	
Qty 1-10	€798,25 each
Qty 11+	€740,57 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

High Energy Waveplate

Type:

Physical & Mechanical Properties

18.0	Clear Aperture CA (mm):
25.40	Diameter (mm):
+0/-0.2	Dimensional Tolerance (mm):
Optically Bonded on UVFS (C7980) Substrate	Construction:
<3	Parallelism (arcsec):
Optical Properties	
R _{avg} <0.2%	Coating:
800	Design Wavelength DWL (nm):
Crystalline Quartz	Substrate: ☐
$\lambda/4$	Retardance:
20-10	Surface Quality:
< $\lambda/10$ @ 632.8nm	Transmitted Wavefront, P-V:
$\lambda/300$ @ 20°C	Retardance Tolerance:
>20 J/cm ² @ 1064nm, 10ns, 10Hz	Damage Threshold, By Design: ☐
1st	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
- $\lambda/4$ 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 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.