

25.4mm Dia., 400nm, $\lambda/4$ High Energy Waveplate



High Energy Quartz Waveplates

Stock **#39-166** [CONTACT US](#)

£524⁰⁰

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Volume Pricing	
Qty 1-10	£524.00 each
Qty 11+	£488.00 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

$R_{avg} < 0.25\%$	Coating:
400	Design Wavelength DWL (nm):
Crystalline Quartz	Substrate: <input type="checkbox"/>
$\lambda/4$	Retardance:
20-10	Surface Quality:
$< \lambda/10 @ 632.8nm$	Transmitted Wavefront, P-V:
$\lambda/200 @ 20^\circ C$	Retardance Tolerance:
$> 20 J/cm^2 @ 1064nm, 10ns, 10Hz$	Damage Threshold, By Design: <input type="checkbox"/>
1st	Retardance Order:

Threading & Mounting

6 ± 0.2	Mount Thickness (mm):
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

PRODUCT DETAILS

- Damage Threshold up to $> 20 J/cm^2 @ 1064nm$
- $\lambda/4$ 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 $> 20 J/cm^2$ 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.