

25.4mm Dia., 1064nm, $\lambda/4$ High Energy Waveplate



High Energy Quartz Waveplates

Stock **#39-178** **2 In Stock**

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1

+

C\$917⁰⁰

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Qty 1-10	C\$917.00 each
Qty 11+	C\$854.00 each
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General

High Energy Waveplate

Type:

Physical & Mechanical Properties

18.0

Clear Aperture CA (mm):

25.40

Diameter (mm):

Dimensional Tolerance (mm):

+0/-0.2	
Construction: Optically Bonded on UVFS (C7980) Substrate	
Parallelism (arcsec): <3	
Optical Properties	
R_{avg} <0.2% Coating:	
1064 Design Wavelength DWL (nm):	
Crystalline Quartz Substrate:	
λ/4 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:	
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
- 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.