

25.4mm Dia., 780nm, $\lambda/4$ High Energy Waveplate



High Energy Quartz Waveplates

Stock **#39-172** **1 In Stock**

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1

+

₹60,334

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Qty 1-10	₹60,334 each
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General

Type:

High Energy Waveplate

Physical & Mechanical Properties

Clear Aperture CA (mm):

18.0

Diameter (mm):

25.40

Dimensional Tolerance (mm):

+0/-0.2	
	Construction: Optically Bonded on UVFS (C7980) Substrate
	Parallelism (arcsec): <3
Optical Properties	
	Coating: R _{avg} <0.2%
	Design Wavelength DWL (nm): 780
	Substrate: ☐ Crystalline Quartz
	Retardance: λ/4
	Surface Quality: 20-10
	Transmitted Wavefront, P-V: <λ/10 @ 632.8nm
	Retardance Tolerance: λ/300 @ 20°C
	Damage Threshold, By Design: ☐ >20 J/cm ² @ 1064nm, 10ns, 10Hz
	Retardance Order: 1st
Threading & Mounting	
	Mount Thickness (mm): 6 ±0.2
Regulatory Compliance	
	RoHS 2015: Compliant
	Certificate of Conformance: View
	Reach 247: Compliant
	Country of Origin: China
	Imported By: Edmund Optics India Private Limited

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.