

12.7mm Dia., 1030nm, $\lambda/2$ High Energy Waveplate



High Energy Quartz Waveplates

Stock **#25-451** **5 In Stock**

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1

+

₹43,985

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General

High Energy Waveplate

Type:

Physical & Mechanical Properties

8.0

Clear Aperture CA (mm):

12.70

Diameter (mm):

Dimensional Tolerance (mm):

+0/-0.2	
	Construction: Optically Bonded on UVFS (C7980) Substrate
	Parallelism (arcsec): <3
Optical Properties	
R _{avg} <0.3%	Coating:
1030	Design Wavelength DWL (nm):
Crystalline Quartz	Substrate: ☐
$\lambda/2$	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: ☐
1	Retardance Order:
Threading & Mounting	
6 ±0.2	Mount Thickness (mm):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:
Lithuania	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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.