

DUV Waveplate $\lambda/2$ 257nm 12.7mm Dia



Stock #29-969 **5 In Stock**

- 1 + £408.⁰⁰

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Volume Pricing

Qty 1-5	£408.00 each
Qty 6+	£317.60 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Crystalline Waveplate

Configuration:
Air spaced; no mounting glue; no glue contacted spacer between crystals

Physical & Mechanical Properties

Clear Aperture CA (mm):
>7

12.70 +0.00/-0.25	Diameter (mm):
6.00	Thickness (mm):
Crystalline	Construction:
<3	Parallelism (arcsec):
Optical Properties	
Laser V-Coat (257nm)	Coating:
257	Design Wavelength DWL (nm):
Crystal Quartz	Substrate: <input type="checkbox"/>
$\lambda/2$	Retardance:
10-5	Surface Quality:
$\lambda/10$ @632.8nm	Transmitted Wavefront, P-V:
$\pm\lambda/100$ @20°C	Retardance Tolerance:
0.0001	Temperature Coefficient ($\lambda^\circ\text{C}$):
R<0.2% @257nm	Coating Specification:
0	Retardance Order:

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

Product Details

- 257nm and 266nm Deep UV Wavelengths Available
- Ideal For Vacuum Compatible Applications
- Non-Anodized Mount and Adhesive-Free Construction

DUV Vacuum-Compatible Waveplates are mounted in an unanodized aluminum housing and feature adhesive-free construction for low outgassing in vacuum environments. These waveplates are optimized for >99.8 transmission at 257 or 266nm designed wavelengths, with $\lambda/2$ or $\lambda/4$ retardance options for each. Featuring a superior retardation tolerance and zero-order construction, these waveplates have increased bandwidth and lower sensitivity to temperature change. DUV Vacuum-Compatible Waveplates have the fast axis marked on the edge of the mount for easy identification and system integration. These waveplates are ideal for life-science and lithography applications which require a vacuum environment.