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DUV Waveplate λ/2 266nm 12.7mm Dia

Stock **#29-968** **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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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

Diameter (mm):
12.70 +0.00/-0.25

Thickness (mm):
6.00

Construction:
Crystalline

Parallelism (arcsec):
<3

Optical Properties

Coating:
Laser V-Coat (266nm)

Design Wavelength DWL (nm):
266

Substrate:
Crystal Quartz

Retardance:
λ/2

Surface Quality:
10-5

Transmitted Wavefront, P-V:
λ/10 @632.8nm

Retardance Tolerance:
±λ/100 @20°C

Temperature Coefficient (λ/°C):
0.0001

Coating Specification:
R<0.2% @ 266nm

Retardance Order:
0

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

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 λ/2 or λ/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.

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