See all 4 Products in Family

DUV Waveplate λ/2 257nm 12.7mm Dia

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

- 1 + **A$816**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**A$816.00** each
Qty 6+	**A$635.20** each
Need More?	Request Quote

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 (257nm)

Design Wavelength DWL (nm):

257

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% @ 257nm

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.

;