

DUV Waveplate $\lambda/4$ 266nm 12.7mm Dia



Stock #29-983 **3 In Stock**

- 1 + ₹36,434

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Qty 1-5	₹36,434 each
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SPECIFICATIONS

General

Crystalline Waveplate **Type:**

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

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:

$\lambda/4$

Surface Quality:

10-5

Transmitted Wavefront, P-V:

$\lambda/10$ @632.8nm

Retardance Tolerance:

$\pm\lambda/100$ @20°C

Temperature Coefficient ($\lambda/^\circ\text{C}$):

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 $\lambda/2$ 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.