

DUV Waveplate $\lambda/4$ 257nm 12.7mm Dia



Stock #29-984 [CONTACT US](#)

- 1 + A\$816⁰⁰

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Volume Pricing	
Qty 1-5	A\$816.00 each
Qty 6+	A\$635.20 each
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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

6.00 **Thickness (mm):**

Crystalline **Construction:**

<3 **Parallelism (arcsec):**

Optical Properties

Laser V-Coat (257nm) **Coating:**

257 **Design Wavelength DWL (nm):**

Crystal Quartz **Substrate:**

$\lambda/4$ **Retardance:**

10-5 **Surface Quality:**

$\lambda/10 @632.8\text{nm}$ **Transmitted Wavefront, P-V:**

$\pm\lambda/100 @20^\circ\text{C}$ **Retardance Tolerance:**

0.0001 **Temperature Coefficient ($\lambda^\circ\text{C}$):**

$R<0.2\% @257\text{nm}$ **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.