

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



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

S\$714.<sup>00</sup>

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| Qty 1-5        | <b>S\$714.00</b> 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

6.00 **Thickness (mm):**

Crystalline **Construction:**

<3 **Parallelism (arcsec):**

## Optical Properties

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

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

Crystal Quartz **Substrate:**

$\lambda/2$  **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.