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## 3.0 OD 12.5mm Diameter VUV ND Filter



Stock #20-139 **2 In Stock**

⊖ 1 ⊕ **S\$708<sup>40</sup>**

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Volume Pricing	
Qty 1-5	<b>S\$708.40</b> each
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### Product Downloads

### General

Neutral Density Filter **Type:**

### Physical & Mechanical Properties

12.50 **Diameter (mm):**

2.00 ±0.10 **Thickness (mm):**

80.00 **Clear Aperture (%)**:

1 **Parallelism (arcsec)**:

## Optical Properties

3.0 +0.22/-0.23 **Optical Density OD (Average)**:

UV Grade MgF<sub>2</sub> **Substrate:**

Metallic Based ND, with Dielectric Over-Coat **Coating:**

40-20 **Surface Quality:**

0.10 **Transmission (%)**:

120 - 200 **Blocking Wavelength Range (nm)**:

$\lambda/4$  **Transmitted Wavefront, P-V:**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **REACH 241:**

## Product Details

- Consistent Transmission from 120-200nm
- Optical Densities Ranging from 0.3 to 3.0
- Ideal for Raman Spectroscopy and Excimer Lasers

VUV Neutral Density (ND) Filters are used to attenuate light in the Vacuum UV (VUV) range of 120-200nm and are coated on Magnesium Fluoride (MgF<sub>2</sub>) substrates to deliver consistent transmission within that range. Metallic films, over-coated with a dielectric protective layer, ensure a high-quality filter coating for reliable performance. These filters are calibrated at strong spectral lines over the range of 120-200nm, making them suitable for applications utilizing the Lyman-alpha 121.6nm line and molecular hydrogen emission band at 157.8 and 160.8nm. VUV Neutral Density (ND) Filters are ideal for a range of spectroscopic and Excimer laser-based applications.

## Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools