

## 0.5 OD 25mm Diameter VUV ND Filter



Stock #20-134 **14 In Stock**

⊖ 1 ⊕ €590.<sup>00</sup>

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### Volume Pricing

Qty 1-5	€590,00 each
Qty 6-25	€531,00 each
Qty 26-49	€504,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Neutral Density Filter **Type:**

### Physical & Mechanical Properties

25.00 **Diameter (mm):**

3.00 ±0.10 **Thickness (mm):**

80.00	<b>Clear Aperture (%)</b>
1	<b>Parallelism (arcsec)</b>
<b>Optical Properties</b>	
0.5 +0.10/-0.05	<b>Optical Density OD (Average)</b>
UV Grade MgF <sub>2</sub>	<b>Substrate:</b> <input type="checkbox"/>
Metallic Based ND, with Dielectric Over-Coat	<b>Coating:</b>
40-20	<b>Surface Quality:</b>
30.00	<b>Transmission (%)</b>
120 - 200	<b>Blocking Wavelength Range (nm)</b>
λ/4	<b>Transmitted Wavefront, P-V:</b>

<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>REACH 241:</b>

## 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