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1.0 OD 12.5mm Diameter VUV ND Filter



Stock #20-135 **13 In Stock**

⊖ 1 ⊕ **S\$708⁴⁰**

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Volume Pricing	
Qty 1-5	S\$708.40 each
Qty 6-25	S\$637.00 each
Qty 26-49	S\$604.80 each
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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

1.0 +0.09/-0.08 **Optical Density OD (Average)**:

UV Grade MgF₂ **Substrate:**

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

40-20 **Surface Quality:**

10.00 **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 (MgF₂) 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