

3.0 OD 12.5mm Diameter VUV ND Filter



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

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1

+

£404^{.80}

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Volume Pricing	
Qty 1-5	£404.80 each
Qty 6-25	£364.00 each
Qty 26-49	£345.60 each
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ⓘ Prices shown are exclusive of VAT/local taxes

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 ₂	Substrate: ☐
Metallic Based ND, with Dielectric Over-Coat	Coating:
40-20	Surface Quality:
0.10	Transmission (%):
120 - 200	Blocking Wavelength Range (nm):
λ/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