

1.0 OD 12.5mm Diameter VUV ND Filter



Stock **#20-135** 14 In Stock

-

1

+

C\$708^{.40}

ADD TO CART

Volume Pricing	
Qty 1-5	C\$708.40 each
Qty 6-25	C\$637.00 each
Qty 26-49	C\$604.80 each
Need More?	Request Quote

Product Downloads

General

Neutral DensityFilter

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 MgF ₂	Substrate:
Metallic Based ND, with Dielectric Over-Coat	Coating:
40-20	Surface Quality:
10.00	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