2.0 OD 12.5mm Diameter VUV ND Filter
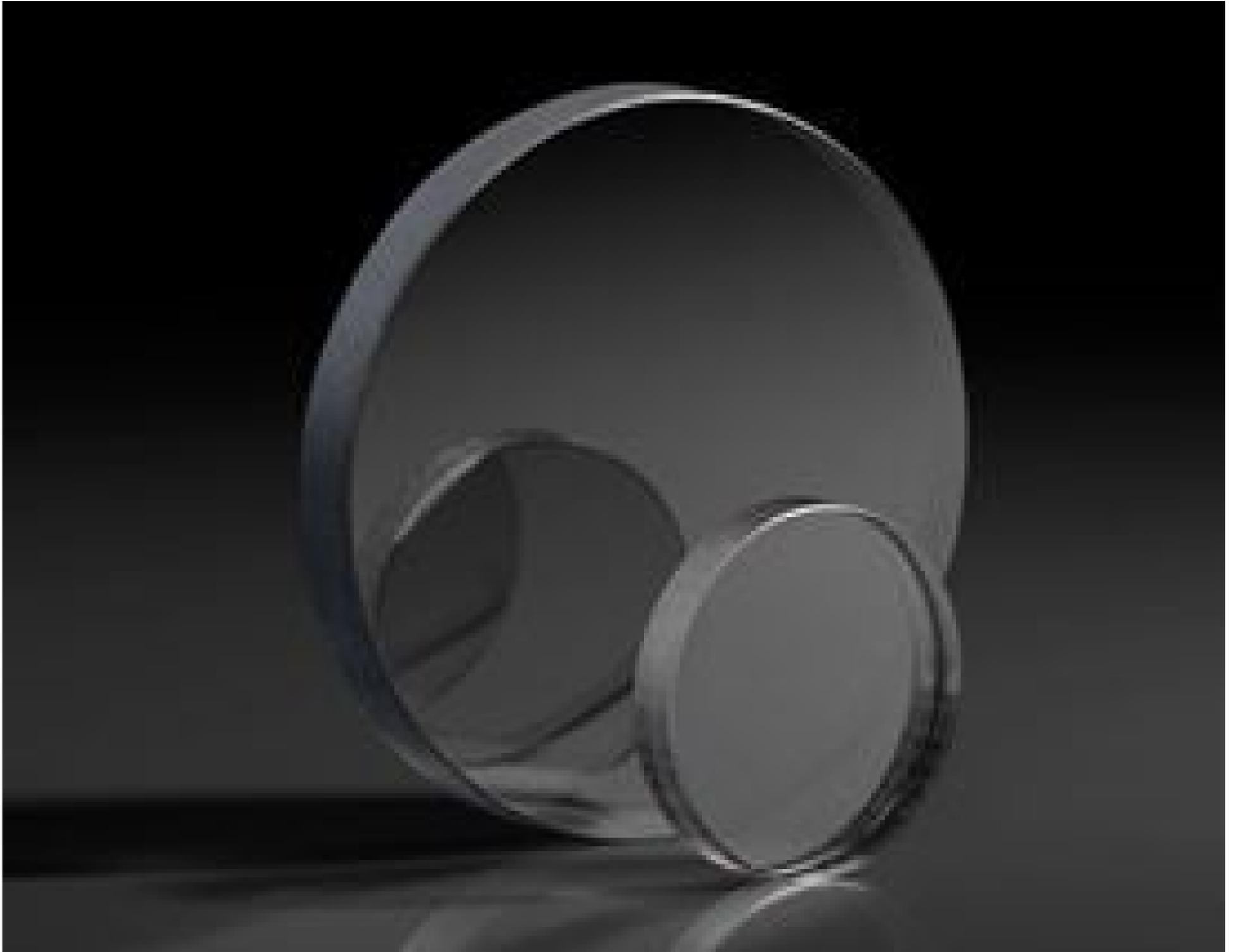
Stock **#20-137**   **12 In Stock**

(-) 1 (+)   **A$809**⁶⁰

ADD TO CART

Volume Pricing	
Qty 1-5	**A$809.60** each
Qty 6-25	**A$728.00** each
Qty 26-49	**A$691.20** each
Need More?	Request Quote

Product Downloads

General

Type:

Neutral Density Filter

Physical & Mechanical Properties

Diameter (mm):

12.50

Thickness (mm):

2.00 ±0.10

Clear Aperture (%):	
80.00	
Parallelism (arcsec):	
1	

Optical Properties

Optical Density OD (Average):	
2.0 ±0.15	
Substrate: ☐	
UV Grade MgF$_2$	
Coating:	
Metallic Based ND, with Dielectric Over-Coat	
Surface Quality:	
40-20	
Transmission (%):	
1.00	
Blocking Wavelength Range (nm):	
120 - 200	
Transmitted Wavefront, P-V:	
λ/4	

Regulatory Compliance

RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
REACH 241:	
Compliant	

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$_2$) 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