

## 0.5 OD 25mm Diameter VUV ND Filter



Stock **#20-134** 20+ In Stock

-

1

+

€590<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €590,00 each                  |
| Qty 6-25       | €531,00 each                  |
| Qty 26-49      | €504,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

|                        |       |
|------------------------|-------|
|                        | Type: |
| Neutral Density Filter |       |

Physical & Mechanical Properties

|            |                 |
|------------|-----------------|
|            | Diameter (mm):  |
| 25.00      |                 |
|            | Thickness (mm): |
| 3.00 ±0.10 |                 |

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

Optical Properties

|                                              |                                     |
|----------------------------------------------|-------------------------------------|
| 0.5 +0.10/-0.05                              | Optical Density OD (Average):       |
| UV Grade MgF <sub>2</sub>                    | Substrate: <input type="checkbox"/> |
| Metallic Based ND, with Dielectric Over-Coat | Coating:                            |
| 40-20                                        | Surface Quality:                    |
| 30.00                                        | 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 (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