

## 0.3 OD 12.5mm Diameter VUV ND Filter



Stock **#20-130** 20+ In Stock

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1

+

S\$708<sup>.40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$708.40 each                |
| Qty 6-25       | S\$637.00 each                |
| Qty 26-49      | S\$604.80 each                |
| Need More?     | <a href="#">Request Quote</a> |

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                           |                                     |
| 0.3 ±0.07                                    | 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:                    |
| 50.00                                        | 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