

3.0 OD 12.5mm Diameter VUV ND Filter



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

1 **MRP ₹51,050**

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹51,050 each
Qty 6-25	₹45,906 each
Qty 26-49	₹43,584 each
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Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- Curve (xlsx):xlsx
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

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): 3.0 +0.22/-0.23

Substrate: UV Grade MgF₂

Coating: Metallic Based ND, with Dielectric Over-Coat

Surface Quality: 40-20

Transmission (%): 0.10

Blocking Wavelength Range (nm): 120 - 200

Transmitted Wavefront, P-V: λ/4

Regulatory Compliance

RoHS 2015: [Compliant](#)

Certificate of Conformance: [View](#)

REACH 241: [Compliant](#)

Country of Origin: United States

Imported By: Edmund Optics India Private Limited
267, Greystone Building,

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

Related Products



Precision Ultraviolet Mirrors



Lithium Fluoride (LiF) Windows



Magnesium Fluoride (MgF_2) Windows



Gloves