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# 0.3 OD, 25mm D

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Anti-Reflection (AR) Coated HOYA Absorptive Neutral Density (ND) Filters

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit

Stock #13-166 **7 In Stock**

1

€87<sup>00</sup>

ADD TO CART

Volume Pricing	
Qty 1-10	€87,00 each
Qty 11-25	€78,00 each
Qty 26-49	€72,00 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

### Product Downloads

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

### General

**Type:** Neutral Density Filter

**Stock No. of Uncoated Filter:** #46-212

### Physical & Mechanical Properties

**Diameter (mm):** 25.00

**Thickness (mm):** 2.50 ±0.5

**Dimensional Tolerance (mm):** ±0.1

**Parallelism (mm):** <0.02

### Optical Properties

**Optical Density OD (Average):** 0.3 ±0.05 @ 400-700nm (Uncoated Filter)

**Nominal Optical Density @ Center of Coating:** 0.40 @ 900nm

**Glass/Filter Number:** [Hoya ND50](#)

**Substrate:** ND Filter Glass

**Coating:** NIR I (600-1050nm)

**Index of Refraction (n<sub>d</sub>):** 1.50

**Surface Quality:** 80-50

**Transmission (%):** 50.0 (average) @ 400 - 700nm

**Blocking Wavelength Range (nm):** 400 - 700

**Coating Specification:** R<sub>avg</sub> ≤0.5% @ 600 - 1050nm

**Wavelength Range (nm):** 600 - 1050

### Material Properties

Transformation Temperature (°C): 495

## Regulatory Compliance

RoHS 2015: **Compliant**

Reach 250: **Compliant**

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## Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- Optical Densities from 0.1 to 4.0
- VIS 0°, NIR I, and NIR II Coating Options
- 12.5, 25, and 50mm Diameter Sizes
- Uncoated **HOYA** or **SCHOTT** ND Filters Also Available

Anti-Reflection (AR) Coated HOYA Absorptive Neutral Density (ND) Filters feature HOYA colored glass substrates that are AR coated on both surfaces to reduce back reflections in the visible or near-infrared (NIR) spectra. VIS 0°, NIR I, and NIR II broadband AR coatings cover the spectral ranges of 425–675nm, 600–1050nm, and 750–1550nm. These neutral density filters attenuate light via absorption and can be stacked together to achieve custom optical densities to meet application requirements. Anti-Reflection (AR) Coated HOYA Absorptive Neutral Density (ND) Filters are ideal for use in imaging and detection applications to reduce stray light, as well as in general filter stacking applications to control intensity. The standard metric diameters of 12.5, 25, and 50mm are compatible with our **TECHSPEC® C, S, and T-Mount Circular Optic Mounts** for benchtop applications.

## Technical Information

## Related Products



C, S, and T-Mount Circular Optic Mounts

## Frequently Purchased Together

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**Select Your Country/Region:**

#46-028 - 35mm Dia Protected Gold, 4-6λ Mirror  
€80,00

Qty

No. #11-100  
€312,00

Qty

€1.255,00



















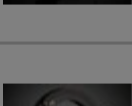



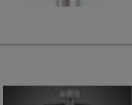



Qty

#68-827 - α-BBO Rochon Polarizer  
€1.275,00

Qty

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	€21,00 Request Quote	14 In Stock 1
	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	€21,00 Request Quote	20+ In Stock 1
	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	€32,75 Request Quote	3 In Stock 1
	25.0/25.4mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-866	€43,50 Request Quote	14 In Stock 1
	2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	€63,00 Request Quote	20+ In Stock 1
	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	€68,00 Request Quote	15 In Stock 1
	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	€71,00 Request Quote	20+ In Stock 1
	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 Request Quote	20+ In Stock 1
	25.0/25.4mm Optic Dia., Optical Cell Assembly	Fixed		#36-461 CLEARANCE	€95,95 Request Quote	2 In Stock 1
	25.0/25.4mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-851	€98,50 Request Quote	3 In Stock 1
	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	€102,00 Request Quote	5 In Stock 1
	5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-529	€102,00 Request Quote	20+ In Stock 1
	7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	€106,00 Request Quote	20+ In Stock 1

	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Kinematic Mount, 3-Screws				€107,00	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder					CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a>	 19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	€114,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 7.0 - 67.0mm Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 8.0 - 118.0mm Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 <a href="#">Request Quote</a>	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	€157,00 <a href="#">Request Quote</a>	5 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-815	€161,00 <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-818	€182,00 <a href="#">Request Quote</a>	9 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	€276,00 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 <a href="#">Request Quote</a>	CONTACT US <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#54-999	€461,00 <a href="#">Request Quote</a>	4 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	€540,00 <a href="#">Request Quote</a>	6 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a>	 25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	€755,00 <a href="#">Request Quote</a>	2 In Stock <input type="text" value="1"/> 

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Check out our full selection of mounts [here](#).

# Resources

Media Type

APPLICATION NOTE

Understanding Neutral Density Filters

FAQ

What is an ND Filter?

FAQ

- Application Note
- FAQ
- Glossary
- Video

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What is the difference between using an absorptiv...

How should I orient my reflective ND or interferenc...

**GLOSSARY**

Continuously Variable Apodizing Filter

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