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2.0 OD, 25mm Diameter Precision Absorptive ND Filter

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

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Submit

Coated



Precision Absorptive Neutral Density (ND) Filters

Stock #16-069 **4 In Stock**

1

€117^{,00}

ADD TO CART

Volume Pricing	
Qty 1-10	€117,00 each
Qty 11-25	€106,00 each
Qty 26-49	€95,50 each
Need More?	Request Quote

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

Physical & Mechanical Properties

Diameter (mm): 25.00

Thickness (mm): 2.06 (nominal)

Clear Aperture (%): 90

Parallelism (arcsec): <30

Optical Properties

Optical Density OD (Average): 2.0 ±10% @ 550nm

Glass/Filter Number: SCHOTT NG3

Substrate: ND Filter Glass

Coating: BBAR (450-700nm)

Index of Refraction (n_d): 1.51

Surface Quality: 80-50

Transmission (%): 1.00

Blocking Wavelength Range (nm): 400 - 700

Transmitted Wavefront, P-V: λ/4

Coating Specification: R_{avg} ≤1.0% @ 450 - 700nm @ 0°

Material Properties

Transformation Temperature (°C): 462

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

REACH 241: **Compliant**

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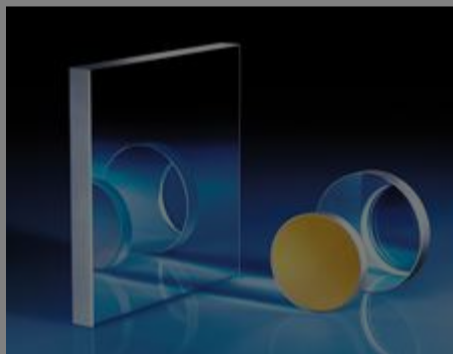
Product Details

- $\lambda/4$ Transmitted Wavefront Distortion
- AR Coated for 450 - 700nm
- Optical Densities from 0.1 to 4.0 Available
- **Absorptive Neutral Density (ND) Filters** Also Available

Precision Anti-Reflection (AR) Coated Absorptive Neutral Density (ND) Filters feature SCHOTT NG Colored Glass substrates that are polished to achieve a transmitted wavefront distortion (TWFD) specification of $\lambda/4$. These filters are coated on both surfaces with an anti-reflection (AR) coating from 450 - 700nm, reducing back reflections and enabling filter stacking with less losses and artifacts. Precision Anti-Reflection (AR) Coated Absorptive Neutral Density (ND) Filters are available with optical densities from 0.1 to 4.0 and can be stacked together to achieve custom optical densities to meet application requirements. These neutral density filters are available in 25mm diameter or 50mm square sizes and are ideal for machine vision, imaging, or low power laser applications.

Technical Information

Frequently Purchased Together



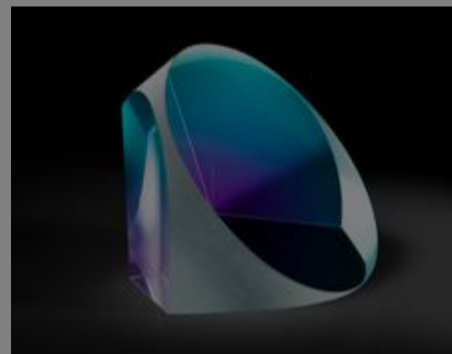
#32-945 - 25mm Dia Enhanced Aluminum, 4-6 λ Mirror
€31,00

Qty



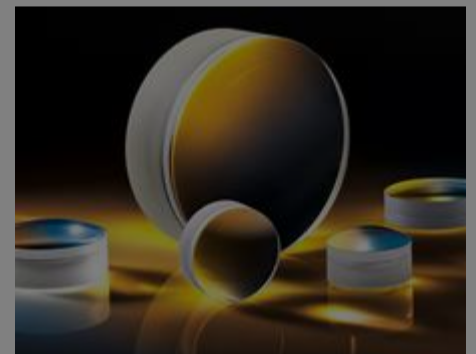
#34-212 - Type-A to Micro-B, USB 3.0 Locking Cable, 8m
€92,00

Qty



#43-299 - 50.8mm Corner Cube Prism
€330,00

Qty




























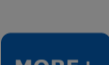






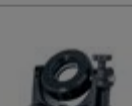









#49-358 - 25mm Dia. x 75mm FL, VIS-NIR Coated, Achromatic Lens
€136,00

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	€21,00 Request Quote	9 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	€21,00 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	€32,75 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	€68,00 Request Quote	15 In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
	 25.0/25.4mm Optic Dia., 5-Axis Flange Direct Mount				€71,00	20+ In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., 5-Axis Cell Assembly					2 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	€102,00 Request Quote	5 In Stock <input type="text" value="1"/> 
	 5.0 - 25.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-529	€102,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
	 7.0 - 40.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-676	€106,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
	 10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 Request Quote	CONTACT US <input type="text" value="1"/> 
	 7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
	 8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
	 4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	€157,00 Request Quote	5 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	€276,00 Request Quote	CONTACT US <input type="text" value="1"/> 
	 5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 Request Quote	CONTACT US <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#54-999	€461,00 Request Quote	4 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	€540,00 Request Quote	6 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	€755,00 Request Quote	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
- FAQ
- Glossary
- Video

APPLICATION NOTE

Understanding...

FAQ

What is an ND...

FAQ

Can I place ND filters back-to-back and increase...

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FAQ

What is the difference between using an absorptiv...

FAQ

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

GLOSSARY

Continuously Variable Apodizing Filter

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