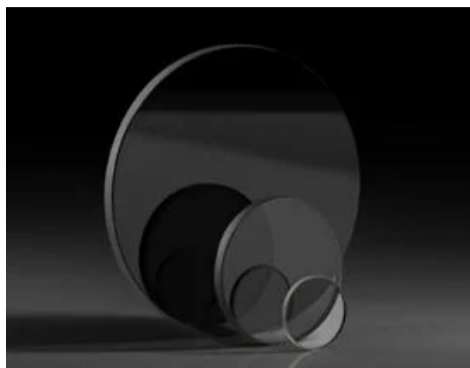


2.5 OD, 50mm Dia., NIR I Coated, Absorptive ND Filter

See More by [Hoya](#)



Stock #13-193 **5 In Stock**

1 MRP ₹18,665

Price inclusive of all taxes

ADD TO CART

Product Downloads

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

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

Volume Pricing	
Qty 1-10	₹18,665 each
Qty 11-25	₹16,446 each
Qty 26-49	₹15,639 each
Need More?	Request Quote

General

Type: Neutral Density Filter	Stock No. of Uncoated Filter: #65-821
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Physical & Mechanical Properties

Diameter (mm): 50.00	Thickness (mm): 2.50 ±0.5
Dimensional Tolerance (mm): ±0.1	Parallelism (mm): <0.02

Optical Properties

Optical Density OD (Average): 2.5 ±0.1 @ 400-700nm (Uncoated Filter)	Nominal Optical Density @ Center of Coating: 1.28 @ 900nm
Glass/Filter Number: Hoya ND0.3	Substrate: ND Filter Glass
Coating: NIR I (600-1050nm)	Index of Refraction (n_d): 1.514
Surface Quality: 80-50	Transmission (%): 0.3 (average) @ 400 - 700nm
Blocking Wavelength Range (nm): 400 - 700	Coating Specification: R _{avg} ≤0.5% @ 600 - 1050nm
Wavelength Range (nm): 600 - 1050	

Material Properties

Transformation Temperature (°C): 490

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: **View**

Reach 250: **Compliant**

Country of Origin: Japan

Imported By: Edmund Optics India Private Limited
267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038
Phone: +91-80-6845 0000

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.

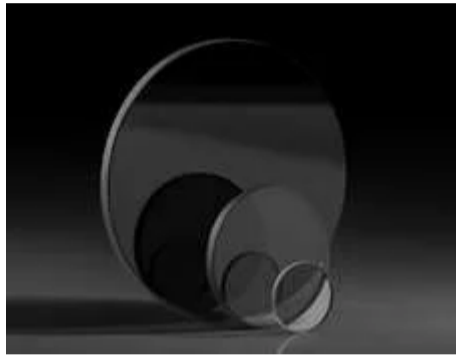
Technical Information

Related Products

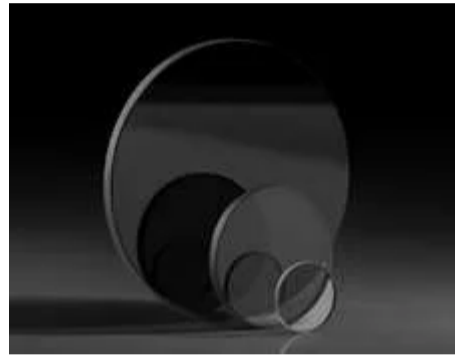


C, S, and T-Mount Circular
Optic Mounts

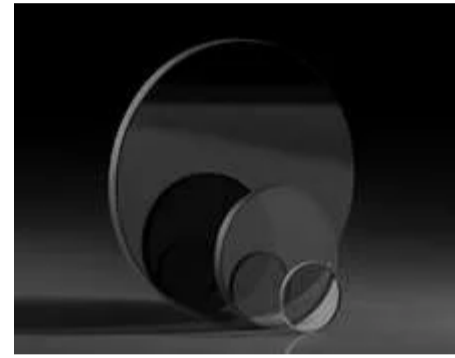
Frequently Purchased Together



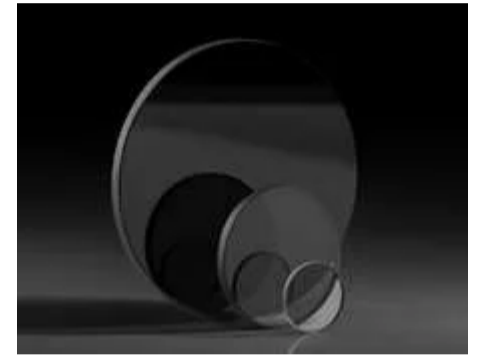
#13-180 - 0.1 OD, 50mm Dia., NIR I
Coated, Absorptive ND Filter
₹18,665



#13-181 - 0.15 OD, 50mm Dia., NIR I
Coated, Absorptive ND Filter
₹18,665









































#13-185 - 0.5 OD, 50mm Dia., NIR I
Coated, Absorptive ND Filter
₹18,665



#13-187 - 0.7 OD, 50mm Dia., NIR I
Coated, Absorptive ND Filter
₹18,665

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	50.0mm Optic Dia., Optic Mount	Fixed		#64-567	₹4,969 Request Quote	4 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
MORE+ 	50.0mm Optic Dia., Optic Mount	Fixed		#64-568	₹4,969 Request Quote	7 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
MORE+ 	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	₹8,374 Request Quote	CONTACT US <input type="text" value="1"/> <input type="button" value="🛒"/>
MORE+ 	50.0/50.8mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-867	₹9,685 Request Quote	CONTACT US <input type="text" value="1"/> <input type="button" value="🛒"/>
MORE+ 	10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	₹10,896 Request Quote	CONTACT US <input type="text" value="1"/> <input type="button" value="🛒"/>
MORE+ 	19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	₹11,501 Request Quote	1 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
MORE+ 	7.0 - 67.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	₹11,703 Request Quote	6 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
MORE+ 	8.0 - 118.0 Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	₹12,107 Request Quote	10 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>

	Title	Type	Compare	Stock Number	Price	Buy
 	50.0/50.8mm Optic Dia., Optical Cell Assembly	Fixed		#36-465 CLEARANCE	₹12,739 Request Quote	2 In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-852	₹13,621 Request Quote	5 In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-855	₹15,840 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-816	₹24,819 Request Quote	12 In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-819	₹27,039 Request Quote	CONTACT US <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-957	₹31,074 Request Quote	1 In Stock <input type="text" value="1"/> 
 	5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	₹41,365 Request Quote	CONTACT US <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., Precision Gimbal Mount	Adjustable - Gimbal		#55-000	₹51,454 Request Quote	7 In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-960	₹61,039 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	50.0/50.8mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-778	₹84,748 Request Quote	10 In Stock <input type="text" value="1"/> 

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

Resources

Media Type

- Application Note
- FAQ
- Glossary
- Video

APPLICATION NOTE

Understanding Neutral Density Filters

? FAQ

What is an ND Filter?

? FAQ

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

? FAQ

? FAQ

GLOSSARY

What is the difference between using an absorptiv...

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

Continuously Variable Apodizing Filter

[View More](#)
