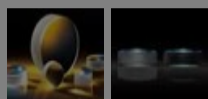
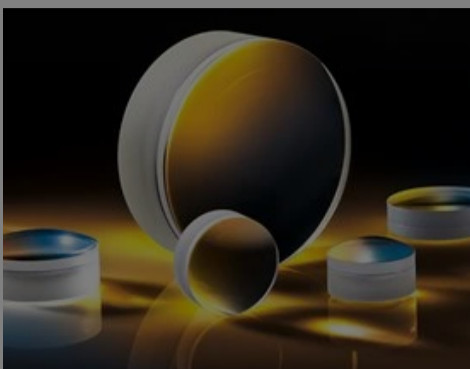


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TECHSPEC® 10mm



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Options

1

€98^{,00}

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Volume Pricing

Qty 1-5 €98,00 each

Qty 6-25 €79,00 each

Qty 26-49 €73,50 each

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Product Downloads

STEP:stp PDF Drawing:pdf

ISO 10110 Drawing

IGES:igs Zemax:zar

Zemax:zmx eDrawing:eprt

Code V:seq EO Spec Sheet

General

Type: Achromatic Lens

Physical & Mechanical Properties

Diameter (mm): 10.00 ±0.025

Clear Aperture CA (mm): 9.00

Centering (arcmin): <1

Center Thickness CT (mm): 5.00 ±0.10

Center Thickness CT 1 (mm): 4.00 ±0.05

Center Thickness CT 2 (mm): 1.00 ±0.05

Edge Thickness ET (mm): 3.91

Bevel: Protective as needed

Optical Properties

Effective Focal Length EFL (mm): 20.00

Focal Length Tolerance (%): ±1

Back Focal Length BFL (mm): 17.24

Focal Length Specification Wavelength (nm): 587.6

Radius R₁ (mm): 14.15

Radius R₂ (mm): -8.38

Radius R₃ (mm): -71.22

Substrate: [N-BAF10 / N-SF10](#)

Surface Quality: 40-20

f/#: 2.00

Numerical Aperture NA:	0.25	Coating:	VIS-NIR (400-1000nm)
Coating Specification:	$R_{abs} \leq 0.25\%$ @ 880nm $R_{avg} \leq 1.25\%$ @ 400 - 870nm $R_{avg} \leq 1.25\%$ @ 890 - 1000nm	Power (P-V) @ 632.8nm:	1.5λ
Irregularity (P-V) @ 632.8nm:	λ/4		

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Regulatory Compliance

Certificate of Conformance:	View
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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

- Designed for 0° Angle of Incidence
- Less Than 0.25% Reflectance Per Surface @ 880nm
- **MgF₂** and **VIS 0°** Coated Achromats Also Available

TECHSPEC® VIS-NIR Coated Achromatic Lenses consist of two optical components cemented together to form an achromatic doublet. The doublet is computer optimized to correct for on-axis spherical and chromatic aberrations. TECHSPEC® VIS-NIR Coated Achromatic Lenses have visible/near-infrared broadband anti-reflection coating, which is specially optimized to yield maximum transmission (>99%) in the near-infrared. The achromatic lenses reduce reflection to less than 0.25 percent per surface at 880nm. **Magnesium Fluoride** coated and **VIS 0°** coated achromats are also available.

Technical Information

Coating Curves

VIS-NIR (400-1000nm)



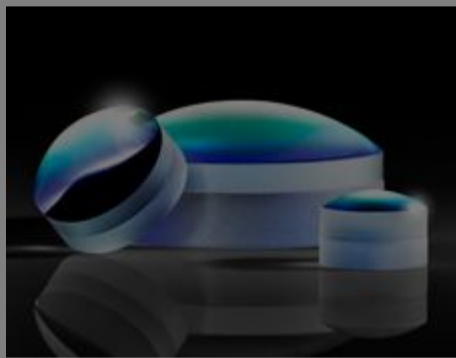
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🔍 SHIFT + SELECT an area on CURVE to zoom

Please note that coating performance outside each product's specified design range is theoretical and may vary.

Related Products



Aspherized Achromatic Lenses



Optical Cleaning

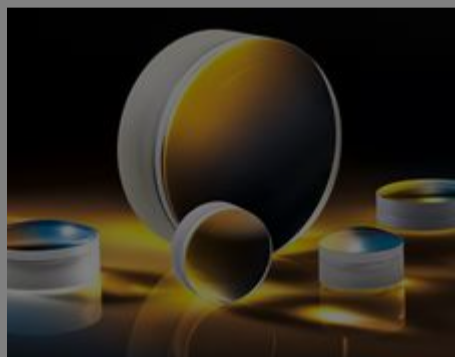


Optical Lens and Filter Mounts



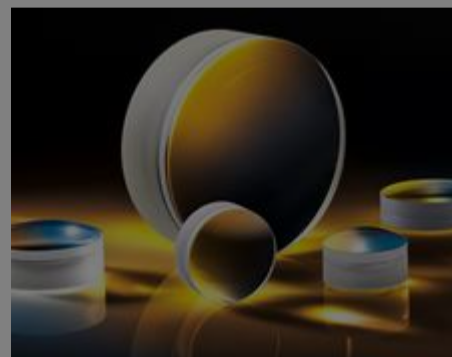
Optical Lenses

Frequently Purchased Together



#49-390-INK - 50mm Dia. x 100mm FL, VIS-NIR, Inked, Achromatic Lens
€231,00

Qty









#49-392-INK - 50mm Dia. x 200mm FL, VIS-NIR, Inked, Achromatic Lens
€231,00

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	10.0mm Optic Dia., Optic Mount	Fixed		#64-554	€32,75 Request Quote	20+ In Stock <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	10mm Diameter, Mount Thick Optic Mount				€40.75	20+ In Stock <input type="text" value="1"/> 
MORE+ 	25mm Ca 10mm Diameter Mount					5 In Stock <input type="text" value="1"/> 
MORE+ 	10mm Diameter, C-Mount Thick Optic Mount	Fixed		#63-980	€56,50 Request Quote	20+ In Stock <input type="text" value="1"/> 

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- Scientific Paper
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An Introduction to Optical Coatings

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Lens Geometry Performance Comparison

GLOSSARY

NIR (Near Infrared)

GLOSSARY

VIS/NIR Coating

APPLICATION NOTE

The Correct Material for Infrared (IR) Applications

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