

TECHSPEC®

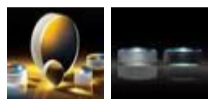
25mm Dia. x 400mm FL, VIS-NIR Coated, Achromatic Lens



Stock #49-369 **20+ In Stock** [Other Coating Options](#)

1 **£108^{.80}**

ADD TO CART



Volume Pricing	
Qty 1-5	£108.80 each
Qty 6-25	£87.20 each
Qty 26-49	£82.40 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:stp PDF Drawing:pdf
- ISO 10110 Drawing
- IGES:igs Zemax:zar
- Zemax:zmx eDrawing:eprt
- Code V:seq EO Spec Sheet
- [Download All](#)

General

Type: Achromatic Lens

Physical & Mechanical Properties

Diameter (mm):	25.00 +0.0/-0.025	Clear Aperture CA (mm):	24.00
Centering (arcmin):	<1	Center Thickness CT (mm):	5.50 ±0.20
Center Thickness CT 1 (mm):	3.00 ±0.10	Center Thickness CT 2 (mm):	2.50 ±0.10
Edge Thickness ET (mm):	5.03	Bevel:	Protective as needed

Optical Properties

Effective Focal Length EFL (mm):	400.00	Focal Length Tolerance (%):	±1
Back Focal Length BFL (mm):	397.84	Focal Length Specification Wavelength (nm):	587.6
Radius R ₁ (mm):	244.65	Radius R ₂ (mm):	-179.62
Radius R ₃ (mm):	-534.10	Substrate: ⓘ	N-BK7 / N-SF5
Surface Quality:	40-20	f/#:	16.00

Numerical Aperture NA:	0.03	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	Wavelength Range (nm):	400 - 1000

Regulatory Compliance

RoHS 2015:	Compliant	Certificate of Conformance:	View
REACH 241:	Compliant		

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

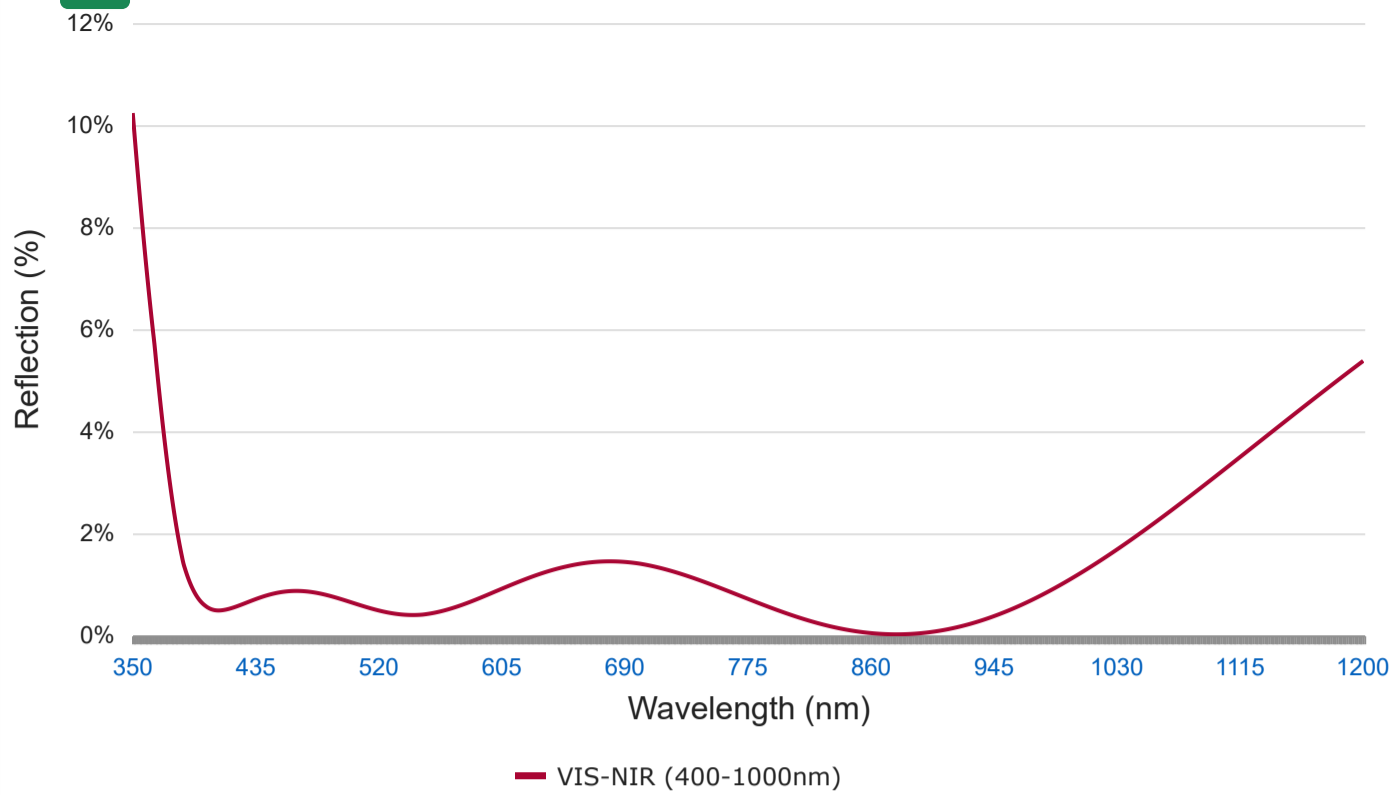
- Designed for 0° Angle of Incidence
- Less Than 0.25% Reflectance Per Surface @ 880nm
- **MgF₂** and **VIS 0°** Coated Achromats Also Available

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

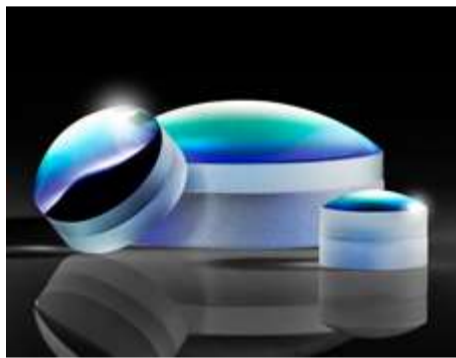
VIS-NIR (400-1000nm)



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

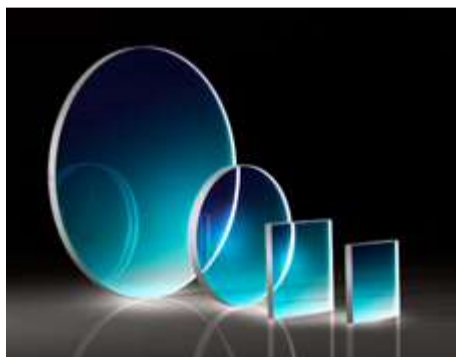


Optical Lens and Filter Mounts



Optical Lenses

Frequently Purchased Together



#30-773 - 25mm Diameter Float Glass Window
£15.20

Qty



#03-625 - 30mm - 50mm Length, C-Mount Fine Focus Tube
£94.40

Qty



#03-639 - 24" x 8", Breadboard
£238.40

Qty




















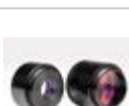















#03-655 - Sliding 2" x 3" Base Plate
£20.20

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	£16.80 Request Quote	9 In Stock <input style="width: 40px;" type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
 	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	£16.80 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	25.0mm Optic Dia., Optic Mount	Fixed		#64-560	£26.20 Request Quote	CONTACT US <input type="text" value="1"/> 
 	30mm Cage 25/25.4mm Diameter Thick Lens Mount	Fixed		#85-588	£36.60 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	£54.40 Request Quote	15 In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	£56.80 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	25mm Thick Inner Pair Optic Mounts	Fixed		#11-054	£64.40 Request Quote	5 In Stock <input type="text" value="1"/> 
 	25/25.4mm Diameter, C-Mount Thick Optic Mount	Fixed		#56-354	£79.20 Request Quote	5 In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	£81.60 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	£220.80 Request Quote	CONTACT US <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	£432.00 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	£604.00 Request Quote	2 In Stock <input type="text" value="1"/> 

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

Resources

Media Type

- Application Note
- Glossary
- Scientific Paper
- Video
- FAQ

APPLICATION NOTE

Anti-Reflection (AR) Coatings

APPLICATION NOTE

An Introduction to Optical Coatings

APPLICATION NOTE

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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