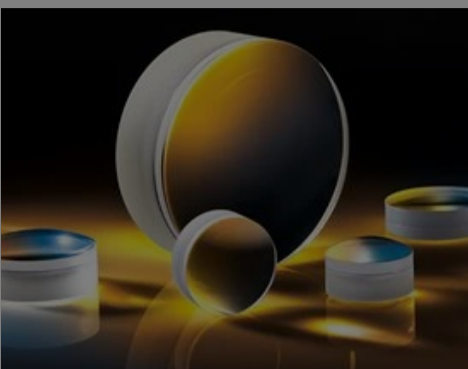


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/ [VIS 0° Coated Achromatic Lens](#)

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**TECHSPEC® 10mm**

**Achromatic Lens**



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Select Your Country/Region: European Union

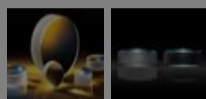
Submit

Options

1

€83<sup>,00</sup>

ADD TO CART



Volume Pricing

Qty 1-5 €83,00 each

Qty 6-25 €66,00 each

Qty 26-49 €62,50 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 Spec Sheets:pdf
- Zemax:zar Zemax:zmx
- eDrawing:easm Code V:seq
- EO Spec Sheet [Download All](#)

General

Type: Achromatic Lens

Physical & Mechanical Properties

Diameter (mm): 10.00 +0.0/-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 R<sub>1</sub> (mm): 14.15

Radius R<sub>2</sub> (mm): -8.38

Radius R<sub>3</sub> (mm): -71.22

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

Surface Quality: 40-20

f/#: 2.00

<b>Numerical Aperture NA:</b>	0.25	<b>Coating:</b>	VIS 0° (425-675nm)
<b>Coating Specification:</b>	$R_{avg} \leq 0.4\%$ @ 425 - 675nm	<b>Power (P-V) @ 632.8nm:</b>	1.5 $\lambda$
<b>Irregularity (P-V) @ 632.8nm:</b>	$\lambda/4$		

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Regulatory Compliance			
<b>RoHS 2015:</b>	<b>Compliant</b>	<b>Reach 219:</b>	<b>Compliant</b>
<b>Certificate of Conformance:</b>	<b>View</b>		

## 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 0.4% Reflectance Per Surface from 425 - 675nm
- **MgF<sub>2</sub>** and **VIS-NIR** Coated Achromats Also Available

TECHSPEC® VIS 0° 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. Achromatic lenses are best for applications involving multi-color (white light) imaging due to their specific doublet lens pairing that enables them to correct the color separation inherent in glass. TECHSPEC® VIS 0° Coated Achromatic Lenses provide optimized transmission for 425 – 675nm, reducing average reflection to 0.4%. **MgF<sub>2</sub>** and **VIS-NIR** Coated Achromats are also available on our website.

## Technical Information

## Coating Curves

VIS 0° (425-675nm)



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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



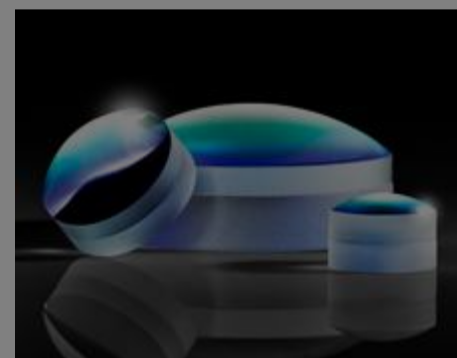
Optic Component Mounts



C, S, and T-Mount Circular Optic Mounts



Optics Cleaning Brushes



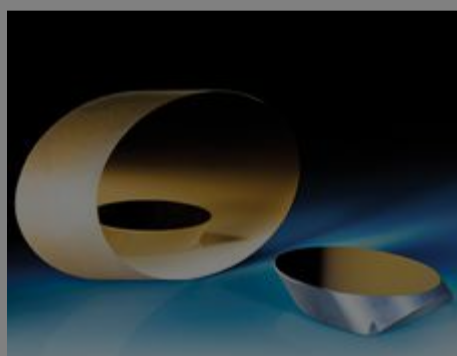
Aspherized Achromatic Lenses

### Frequently Purchased Together



#27-400 - 5mm Diameter, 4-6λ Mirror  
€15,25

Qty



#30-837 - Elliptical Mirror 26.97mm Minor Axis Protected Aluminum  
€101,00

Qty



#32-327 - 25mm Dia. x 100mm FL, MgF<sub>2</sub> Coated, Achromatic Doublet Lens  
€122,00

Qty



#32-724 - 25mm Dia. x 60mm FL, MgF<sub>2</sub> Coated, Achromatic Doublet Lens  
€122,00

Qty

### Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
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MORE+



10.0mm Optic Dia., Optic Mount

Fixed







#64-554

€32,75  
Request Quote

20+ In Stock

1



	Title	Type	Compare	Stock Number	Price	Buy
<a href="#">MORE+</a> 	10mm Diameter, C-Mount Thick Optic Mount				€40.75	20+ In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	25mm Ca 10mm Diameter Mount					5 In Stock <input type="text" value="1"/> 
<a href="#">MORE+</a> 	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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Check out our full selection of mounts [here](#).

# Resources

## Media Type

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

**APPLICATION NOTE**

**Anti-Reflection (AR) Coatings**

**APPLICATION NOTE**

**An Introduction to Optical Coatings**

**APPLICATION NOTE**

**Lens Geometry Performance Comparison**

**SCIENTIFIC PAPER**

**Achrotech: achromat cost versus performance...**

**APPLICATION NOTE**

**Why Use an Achromatic Lens?**

**VIDEO**

**Achromatic Lenses Review**

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