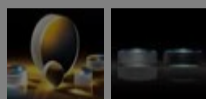
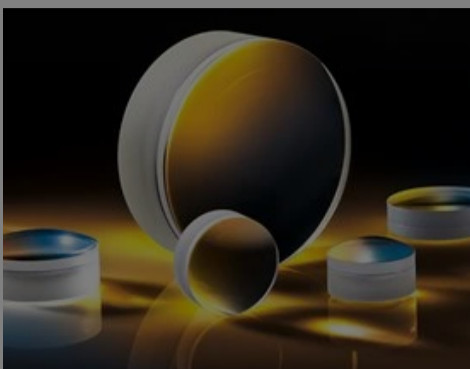


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/ [VIS 0° Coated Achromatic Lens](#)

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TECHSPEC® 15mm



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Submit

Options

- 1 +

€120^{,00}

ADD TO CART

Volume Pricing

Qty 1-5 €120,00 each

Qty 6-25 €96,00 each

Qty 26-49 €90,50 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:eprt Code V:seq
- EO Spec Sheet

General

Type: Achromatic Lens

Physical & Mechanical Properties

Diameter (mm): 15.00 ±0.025

Clear Aperture CA (mm): 14.00

Centering (arcmin): <1

Center Thickness CT (mm): 7.50 ±0.20

Center Thickness CT 1 (mm): 6.00 ±0.10

Center Thickness CT 2 (mm): 1.50 ±0.10

Edge Thickness ET (mm): 5.88

Bevel: Protective as needed

Optical Properties

Effective Focal Length EFL (mm): 30.00

Focal Length Tolerance (%): ±1

Back Focal Length BFL (mm): 25.78

Focal Length Specification Wavelength (nm): 587.6

Radius R₁ (mm): 20.72

Radius R₂ (mm): -13.17

Radius R₃ (mm): -128.44

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

Surface Quality: 40-20

f/#: 2.00

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

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Regulatory Compliance

RoHS 2015: **Compliant**

Reach 209: **Compliant**

Certificate of Conformance: **View**

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
- **MgF₂** 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%. **MgF₂** 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



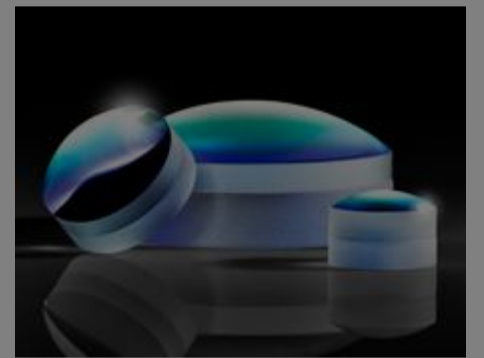
Optic Component Mounts



C, S, and T-Mount Circular Optic Mounts

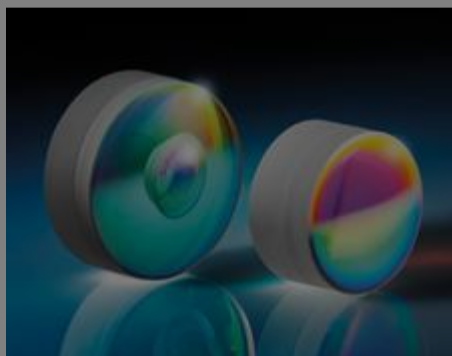


Optics Cleaning Brushes



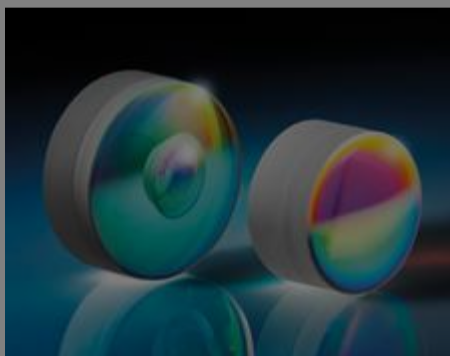
Aspherized Achromatic Lenses

Frequently Purchased Together



#45-795 - 12mm Dia. x 35mm FL, NIR II Coated, Achromatic Lens
€120,00

Qty



#45-805 - 25mm Dia. x 75mm FL, NIR II Coated, Achromatic Lens
€150,00

Qty

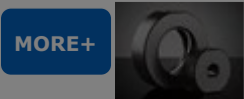


#47-707 - 18mm Dia. x 40mm FL, VIS 0° Coated, Achromatic Lens
€110,00

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
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15.0mm Optic Dia., Optic Mount
Fixed

#64-557

€32,75
Request Quote

11 In Stock

1

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	15mm Diameter Mount Th Optic Mou				€59,50	3 In Stock <input type="text" value="1"/>

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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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