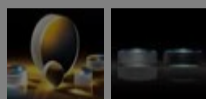
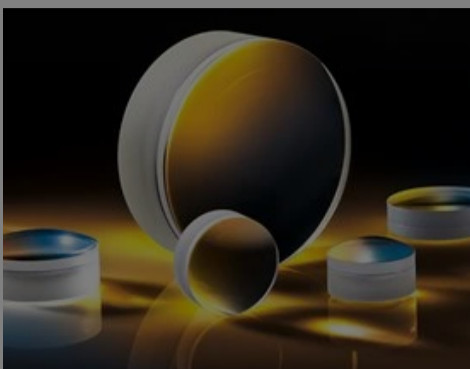


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TECHSPEC® 20mm



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Options

- 1 +

€129^{,00}

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Volume Pricing

Qty 1-5 €129,00 each

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Product Downloads

STEP:stp PDF Drawing:pdf

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IGES:igs Zemax:zar

Zemax:zmx eDrawing:eprt

Code V:seq EO Spec Sheet

General

Type: Achromatic Lens

Physical & Mechanical Properties

Diameter (mm): 20.00 ±0.025

Clear Aperture CA (mm): 19.00

Centering (arcmin): <1

Center Thickness CT (mm): 7.00 ±0.20

Center Thickness CT 1 (mm): 5.00 ±0.10

Center Thickness CT 2 (mm): 2.00 ±0.10

Edge Thickness ET (mm): 4.98

Bevel: Protective as needed

Optical Properties

Effective Focal Length EFL (mm): 60.00

Focal Length Tolerance (%): ±1

Back Focal Length BFL (mm): 56.51

Focal Length Specification Wavelength (nm): 587.6

Radius R₁ (mm): 35.92

Radius R₂ (mm): -28.12

Radius R₃ (mm): -83.79

Substrate: [N-BK7](#) / [N-SF5](#)

Surface Quality: 40-20

f/#: 3.00

| | | | |
|--------------------------------------|--|-------------------------------|----------------------|
| Numerical Aperture NA: | 0.17 | 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 | | | |
|------------------------------------|------------------|-------------------|------------------|
| RoHS 2015: | Compliant | REACH 201: | 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

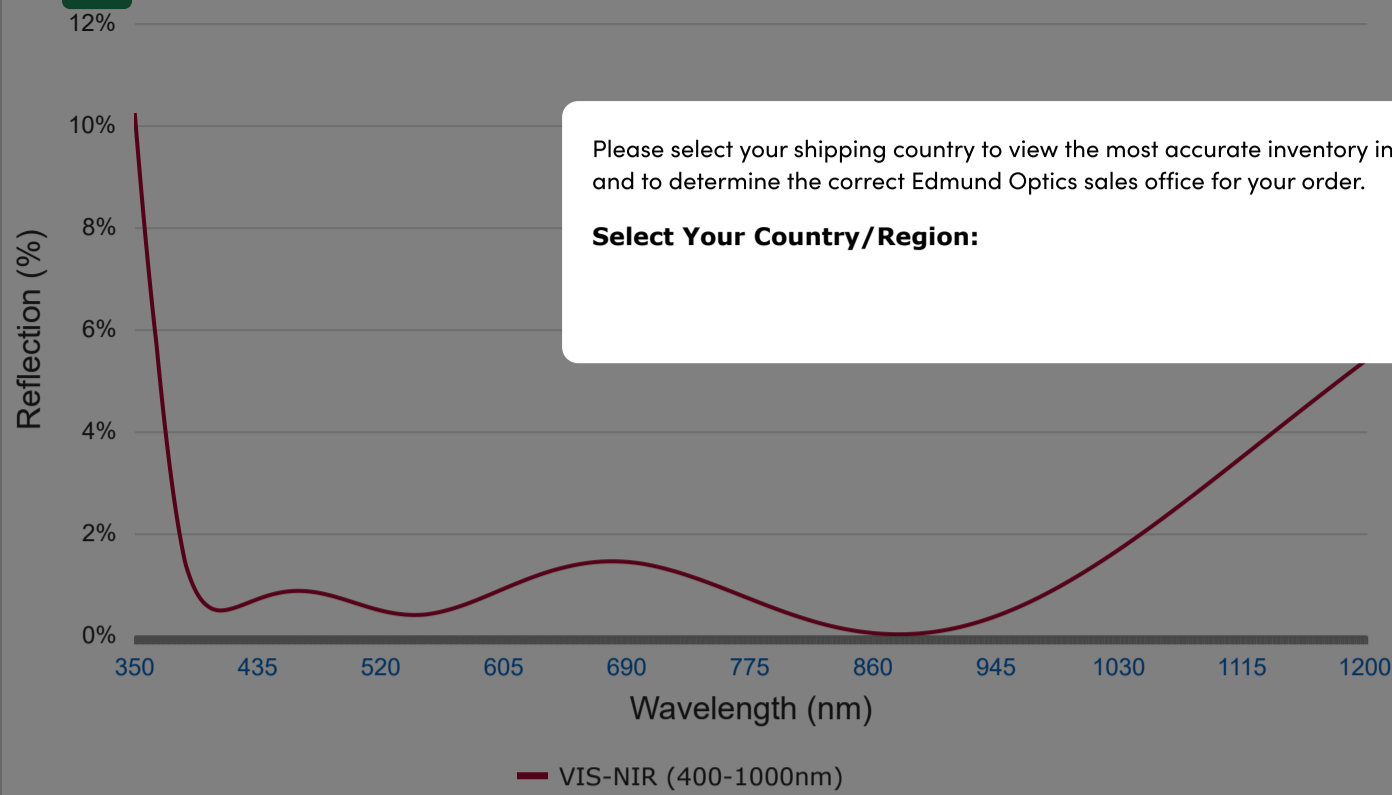
- Designed for 0° Angle of Incidence
- Less Than 0.25% Reflectance Per Surface @ 880nm
- **MgF₂** and **VIS 0°** Coated Achromats Also Available

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)



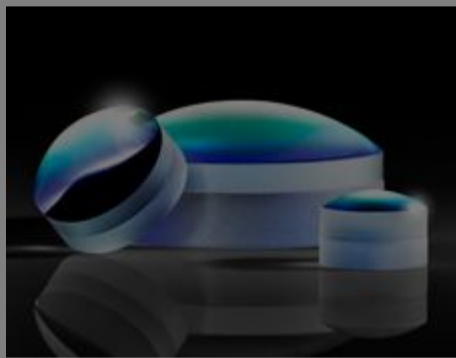
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🔍 SHIFT + SELECT an area on CURVE to zoom

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

Related Products



Aspherized Achromatic Lenses



Optical Cleaning



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Optical Lenses

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#49-579 - 300 Grooves, 25mm Sq, 17.5° Groove Angle Grating
€140,00



Qty





#54-604 - 4.4" x 8.4" Box (280 Sheets), Kimberly-Clark Wipes
€10,75

Qty

Compatible Mounts

| | Title | Type | Compare | Stock Number | Price | Buy |
|---|--------------------------------|-------|---------|--------------|---|--|
|   | 20.0mm Optic Dia., Optic Mount | Fixed | | #64-559 | €32,75 Request Quote | 14 In Stock <input type="text" value="1"/> |

| | Title | Type | Compare | Stock Number | Price | Buy |
|---|---|------|---------|--------------|--------|--|
| MORE+  | 20mm Diameter, Mount Th... Optic Mou | | | | €59,50 | 11 In Stock <input type="text" value="1"/>  |

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VIS/NIR Coating

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