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TECHSPEC® 25.4mm Dia. x 76.2mm FL, VIS-NIR Coated, Achromatic Lens

Stock **#49-794** **6 In Stock**

Other Coating Options

- 1 + C$190.40

ADD TO CART

Volume Pricing	
Qty 1-5	**C$190.40** each
Qty 6-25	**C$152.60** each
Qty 26-49	**C$144.20** each
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Product Downloads

General

Type:

Achromatic Lens

Physical & Mechanical Properties

Diameter (mm):

25.40 +0.0/-0.025

Clear Aperture CA (mm):
24.40

Centering (arcmin):
<1

Center Thickness CT (mm):
10.00 ±0.20

Center Thickness CT 1 (mm):
7.00 ±0.10

Center Thickness CT 2 (mm):
3.00 ±0.10

Edge Thickness ET (mm):
7.85

Bevel:
Protective as needed

Optical Properties

Effective Focal Length EFL (mm):
76.20

Focal Length Tolerance (%):
±1

Back Focal Length BFL (mm):
71.14

Focal Length Specification Wavelength (nm):
587.6

Radius R_1 (mm):
50.85

Radius R_2 (mm):
-40.06

Radius R_3 (mm):
-148.78

Substrate:
N-SSK8 / N-SF56

Surface Quality:
40-20

f/#:
3.00

Numerical Aperture NA:
0.17

Coating:
VIS-NIR (400-1000nm)

Coating Specification:
R_{abs} ≤0.25% @ 880nm
R_{avg} ≤1.25% @ 400 - 870nm
R_{avg} ≤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

Custom

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

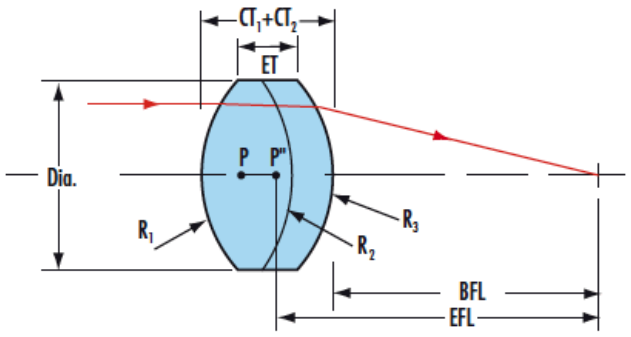
Learn more about our custom manufacturing capabilities or submit an inquiry here.

Product Details

- Designed for 0° Angle of Incidence
- Less Than 0.25% Reflectance Per Surface @ 880nm
- MgF_2 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

Compatible Mounts

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