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TECHSPEC® 6.25mm Dia x -10mm FL VIS-NIR Coated, Negative Achromatic Lens



Stock **#85-877** [CONTACT US](#)

[Other Coating Options](#)

- 1 + MRP ₹8,929

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹8,929 each
Qty 6-25	₹7,668 each
Qty 26-49	₹7,113 each
Need More?	Request Quote

Product Downloads

General

Negative Achromatic Lens **Type:**

Physical & Mechanical Properties

Diameter (mm):

6.25 +0.0/-0.025

Clear Aperture CA (mm):

5.6

Centering (arcmin):

<3

Center Thickness CT (mm):

3.50 ±0.10

Center Thickness CT 1 (mm):

1.00 ±0.05

Center Thickness CT 2 (mm):

2.5 ±0.05

Edge Thickness ET (mm):

4.2

Bevel:

Protective as needed

Optical Properties

Effective Focal Length EFL (mm):

-10.00

Focal Length Tolerance (%):

±1

Back Focal Length BFL (mm):

-11.92

Focal Length Specification Wavelength (nm):

587.6

Radius R₁ (mm):

6.54

Radius R₂ (mm):

5.10

Radius R₃ (mm):

89.10

Substrate:

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

Surface Quality:

40-20

f/#:

1.6

Numerical Aperture NA:

0.31

Coating:

VIS-NIR (400-1000nm)

Coating Specification:

R_{avg} ≤1.25% @ 400 - 870nm
R_{avg} ≤1.25% @ 890 - 100nm
R_{abs} ≤0.25% @ 880nm

Power (P-V) @ 632.8nm:

1.5λ

Irregularity (P-V) @ 632.8nm:

M4

Wavelength Range (nm):

400 - 1000

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Reach 219:

[Compliant](#)

Certificate of Conformance:

[View](#)

Country of Origin:

Japan

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

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:

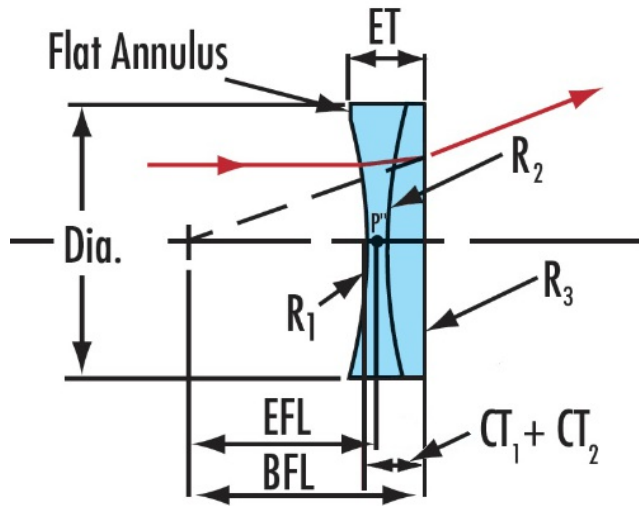
- Custom dimensions, materials, coatings, and more
 - High-precision surface quality and flatness
 - Tight tolerances and complex geometries
 - Scalable production—from prototype to volume
- Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- VIS 0° and VIS-NIR Coatings
- 6.25 – 25mm Diameter Options
- [MgF₂ Coated Negative Achromatic Lenses](#) also Available

TECHSPEC® Broadband AR Coated Negative Achromatic Lenses are corrected for color and on-axis aberrations. These lenses, consisting of two optical elements cemented together, are commonly used as Barlow lenses to extend focal lengths. The achromatic lenses are available in various diameter sizes and VIS 0° or VIS-NIR coating options. TECHSPEC® Broadband AR Coated Negative Achromatic Lenses are offered in 6.25 - 25mm diameter options. [MgF₂ Coated Negative Achromatic Lenses](#) are also available.

Technical Information



Coating Curves

Compatible Mounts