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TECHSPEC® 12.5mm Dia x -20mm FL VIS 0° Coated, Negative Achromatic Lens



Stock #62-485 **13 In Stock**

[Other Coating Options](#)

− 1 + MRP ₹9,989

i Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹9,989 each
Qty 6-25	₹8,526 each
Qty 26-49	₹7,971 each
Need More?	Request Quote

Product Downloads

General

Negative Achromatic Lens **Type:**

Physical & Mechanical Properties

Diameter (mm):

12.50 +0.0/-0.025

Clear Aperture CA (mm):

11.50

Centering (arcmin):

<1

Center Thickness CT (mm):

5.50 ±0.10

Center Thickness CT 1 (mm):

2.00 ±0.05

Center Thickness CT 2 (mm):

3.50 ±0.05

Edge Thickness ET (mm):

7.01

Bevel:

Protective as needed

Optical Properties

Effective Focal Length EFL (mm):

-20.00

Focal Length Tolerance (%):

±1

Back Focal Length BFL (mm):

-22.88

Focal Length Specification Wavelength (nm):

587.6

Radius R₁ (mm):

-13.80

Radius R₂ (mm):

9.99

Radius R₃ (mm):

109.48

Substrate:

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

Surface Quality:

40-20

f##:

1.6

Numerical Aperture NA:

0.31

Coating:

VIS 0° (425-675nm)

Coating Specification:

R_{avg} ≤0.4% @ 425 - 675nm

Power (P-V) @ 632.8nm:

1.5λ

Irregularity (P-V) @ 632.8nm:

M4

Wavelength Range (nm):

425 - 675

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

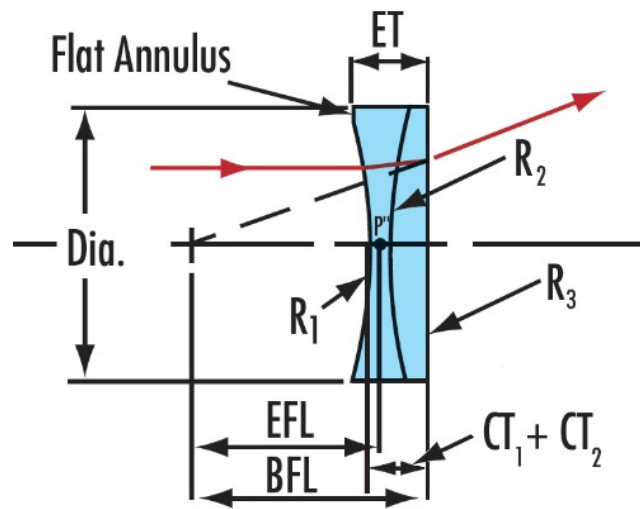
- Tight tolerances and complex geometries
 - Scalable production—from prototype to volume
- Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- VS 0° and VS-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 VS 0° or VS-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