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## TECHSPEC® 12.5mm Dia x -50mm FL VIS 0° Coated, Negative Achromatic Lens



Stock **#62-488** **20+ In Stock**

[Other Coating Options](#)

1  £79<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	£79.20 each
Qty 6-25	£67.60 each
Qty 26-49	£63.20 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Negative Achromatic Lens **Type:**

### Physical & Mechanical Properties

12.50 +0.0/-0.025	<b>Diameter (mm):</b>
11.50	<b>Clear Aperture CA (mm):</b>
<1	<b>Centering (arcmin):</b>
3.56 ±0.10	<b>Center Thickness CT (mm):</b>
2.00 ±0.05	<b>Center Thickness CT 1 (mm):</b>
1.56 ±0.05	<b>Center Thickness CT 2 (mm):</b>
4.40	<b>Edge Thickness ET (mm):</b>
Protective as needed	<b>Bevel:</b>

## Optical Properties

-50.00	<b>Effective Focal Length EFL (mm):</b>
±1	<b>Focal Length Tolerance (%):</b>
-51.58	<b>Back Focal Length BFL (mm):</b>
587.6	<b>Focal Length Specification Wavelength (nm):</b>
-30.83	<b>Radius R<sub>1</sub> (mm):</b>
23.47	<b>Radius R<sub>2</sub> (mm):</b>
69.20	<b>Radius R<sub>3</sub> (mm):</b>
<a href="#">N-BK7 / N-SF5</a>	<b>Substrate:</b> <input type="checkbox"/>
40-20	<b>Surface Quality:</b>
4.00	<b>f#:</b>
0.13	<b>Numerical Aperture NA:</b>
VIS 0° (425-675nm)	<b>Coating:</b>
R <sub>avg</sub> ≤0.4% @ 425 - 675nm	<b>Coating Specification:</b>
1.5λ	<b>Power (P-V) @ 632.8nm:</b>
λ/4	<b>Irregularity (P-V) @ 632.8nm:</b>
425 - 675	<b>Wavelength Range (nm):</b>

## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">Compliant</a>	<b>Reach 219:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>

### 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

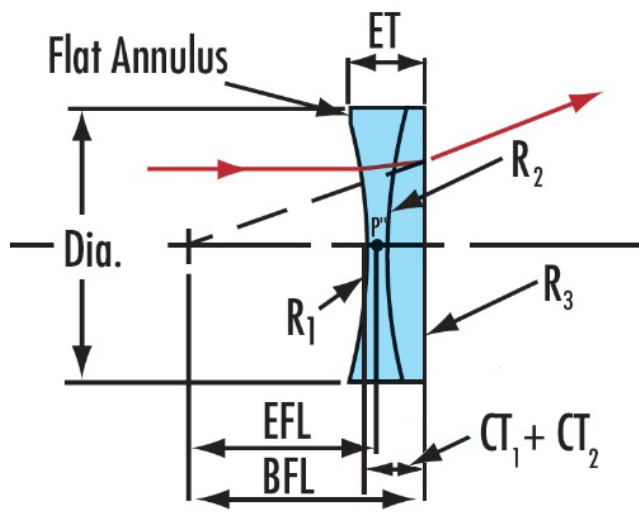
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- VIS 0° and MS-NIR Coatings
- 6.25 – 25mm Diameter Options
- [MgF<sub>2</sub> 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 MS-NIR coating options. TECHSPEC® Broadband AR Coated Negative Achromatic Lenses are offered in 6.25 - 25mm diameter options. [MgF<sub>2</sub> Coated Negative Achromatic Lenses](#) are also available.

## Technical Information



## Coating Curves

## Compatible Mounts