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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 ⊕ **S\$138^{.00}**

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Volume Pricing	
Qty 1-5	S\$138.60 each
Qty 6-25	S\$118.30 each
Qty 26-49	S\$110.60 each
Need More?	Request Quote

Product Downloads

General

Negative Achromatic Lens **Type:**

Physical & Mechanical Properties

12.50 +0.0/-0.025 **Diameter (mm):**

11.50	Clear Aperture CA (mm):
<1	Centering (arcmin):
3.56 ±0.10	Center Thickness CT (mm):
2.00 ±0.05	Center Thickness CT 1 (mm):
1.56 ±0.05	Center Thickness CT 2 (mm):
4.40	Edge Thickness ET (mm):
Protective as needed	Bevel:

Optical Properties

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

Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 219:
View	Certificate of Conformance:

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