

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



Stock **#85-877** 13 In Stock

[Other Coating Options](#)

-

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+

S\$123<sup>.90</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$123.90 each                |
| Qty 6-25       | S\$106.40 each                |
| Qty 26-49      | S\$98.70 each                 |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:  
Negative Achromatic Lens

Physical & Mechanical Properties

Diameter (mm):  
6.25 +0.0/-0.025

|                      |                             |
|----------------------|-----------------------------|
| 5.6                  | Clear Aperture CA (mm):     |
| <3                   | Centering (arcmin):         |
| 3.50 ±0.10           | Center Thickness CT (mm):   |
| 1.00 ±0.05           | Center Thickness CT 1 (mm): |
| 2.5 ±0.05            | Center Thickness CT 2 (mm): |
| 4.2                  | Edge Thickness ET (mm):     |
| Protective as needed | Bevel:                      |

|                                                                                                                   |                                             |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Optical Properties                                                                                                |                                             |
| -10.00                                                                                                            | Effective Focal Length EFL (mm):            |
| ±1                                                                                                                | Focal Length Tolerance (%):                 |
| -11.92                                                                                                            | Back Focal Length BFL (mm):                 |
| 587.6                                                                                                             | Focal Length Specification Wavelength (nm): |
| 6.54                                                                                                              | Radius R <sub>1</sub> (mm):                 |
| 5.10                                                                                                              | Radius R <sub>2</sub> (mm):                 |
| 89.10                                                                                                             | Radius R <sub>3</sub> (mm):                 |
| N-BAF10 / N-SF10                                                                                                  | Substrate: □                                |
| 40-20                                                                                                             | Surface Quality:                            |
| 1.6                                                                                                               | f/#:                                        |
| 0.31                                                                                                              | Numerical Aperture NA:                      |
| VIS-NIR (400-1000nm)                                                                                              | Coating:                                    |
| R <sub>avg</sub> ≤1.25% @ 400 - 870nm<br>R <sub>avg</sub> ≤1.25% @ 890 - 100nm<br>R <sub>abs</sub> ≤0.25% @ 880nm | Coating Specification:                      |
| 1.5λ                                                                                                              | Power (P-V) @ 632.8nm:                      |
| λ/4                                                                                                               | Irregularity (P-V) @ 632.8nm:               |
| 400 - 1000                                                                                                        | Wavelength Range (nm):                      |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| Compliant             | Reach 219:                  |
| View                  | Certificate of Conformance: |

## Product Details

- VIS 0° and VIS-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 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

### 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](#).

## Compatible Mounts