

TECHSPEC®

6.25mm Dia x -25mm FL VIS 0° Coated, Negative Achromatic Lens

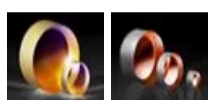


Stock #62-480 CLEARANCE 20+ In Stock [Other](#)
[Coating Options](#)

1 - + MRP ₹3,658

Price inclusive of all taxes

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Volume Pricing	
Qty 1+	₹3,658 each
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Product Downloads	
STEP:stp	PDF Drawing:pdf
ISO 10110 Drawing	
IGES:igs	Spec Sheets:pdf
Zemax:zar	Zemax:zmx
eDrawing:easm	Code V:seq
EO Spec Sheet	Download All

General

Type: Negative Achromatic Lens

Physical & Mechanical Properties

Diameter (mm): 6.25 +0.0/-0.025	Clear Aperture CA (mm): 5.625
Centering (arcmin): <1	Center Thickness CT (mm): 3.00 ±0.10
Center Thickness CT 1 (mm): 1.00 ±0.05	Center Thickness CT 2 (mm): 2.00 ±0.05
Edge Thickness ET (mm): 3.27	Bevel: Protective as needed

Optical Properties

Effective Focal Length EFL (mm): -25.00	Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): -26.53	Focal Length Specification Wavelength (nm): 587.6
Radius R₁ (mm): -17.57	Radius R₂ (mm): 11.48
Radius R₃ (mm): 109.44	Substrate: N-BAF10 / N-SF10
Surface Quality: 40-20	f/#: 4.00
Numerical Aperture NA: 0.13	Coating: VIS 0° (425-675nm)

Coating Specification:	$R_{avg} \leq 0.4\%$ @ 425 - 675nm	Power (P-V) @ 632.8nm:	1.5λ
Irregularity (P-V) @ 632.8nm:	λ/4	Wavelength Range (nm):	425 - 675

Regulatory Compliance

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

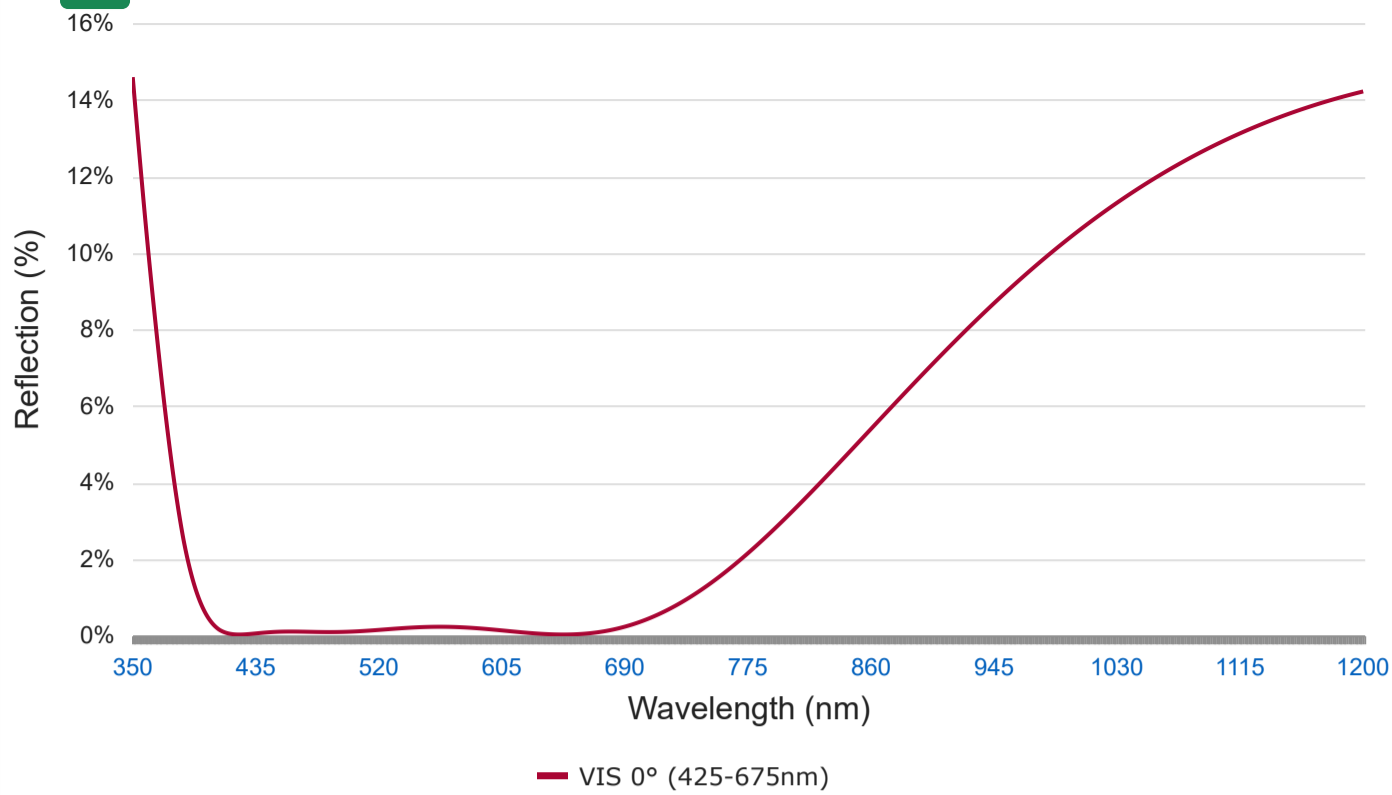
- VIS 0° and VIS-NIR Coatings
- 6.25 – 25mm Diameter Options
- **MgF₂ Coated Negative Achromatic Lenses** also Available

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

VIS 0° (425-675nm)



SHIFT + SELECT an area on CURVE to zoom

Please note that coating performance outside each product's specified design range is theoretical and may vary.

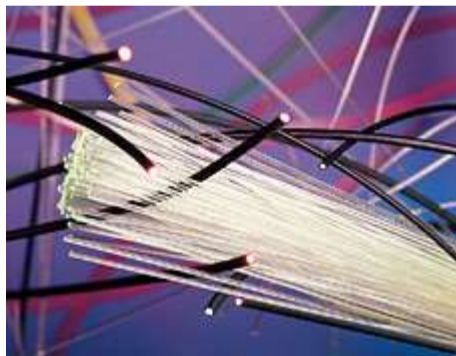
Related Products



#13-800 - Small Lens Clamp for 4-8mm Dia. Optics
₹17,353

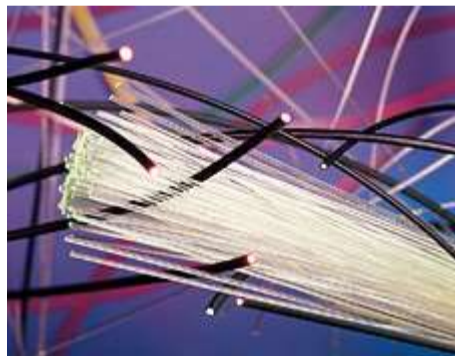
Qty

Frequently Purchased Together



#02-536 - 1000µm with 1 Fiber, Optical Grade Plastic Light Guide
₹425

Qty



#02-540 - 265µm with 64 Fiber, Optical Grade Plastic Light Guide
₹399

Qty



#27-503 - 100mm Dia x 400mm Focal Length, PCX Condenser Lens
₹10,896





Qty



#27-507 - 125mm Dia x 500mm Focal Length, PCX Condenser Lens
₹14,024

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	6.25mm Diameter, S-Mount Thick Optic Mount	Fixed		#63-949	₹4,112 Request Quote	1 In Stock <input type="text" value="1"/> 
MORE+ 	6.25mm Diameter, C-Mount Thick Optic Mount	Fixed		#54-621	₹6,003 Request Quote	20+ In Stock <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).

Resources

Media Type

- Application Note
- Scientific Paper
- Video
- FAQ
- Glossary

APPLICATION NOTE

Anti-Reflection (AR) Coatings

APPLICATION NOTE

An Introduction to Optical Coatings

APPLICATION NOTE

Lens Geometry Performance Comparison

SCIENTIFIC PAPER

Achrotech: achromat cost versus performance...

APPLICATION NOTE

Why Use an Achromatic Lens?

VIDEO

Achromatic Lenses Review

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