

TECHSPEC® 25mm Dia. x 400mm FL, VIS 0° Coated, Achromatic Lens

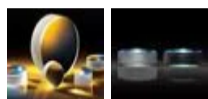


Stock #47-650 **20+ In Stock** [Other Coating Options](#)

1 **MRP ₹12,814**

Price inclusive of all taxes

ADD TO CART



Volume Pricing	
Qty 1-5	₹12,814 each
Qty 6-25	₹10,190 each
Qty 26-49	₹9,685 each
Need More?	Request Quote

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: Achromatic Lens

Physical & Mechanical Properties

Diameter (mm): 25.00 +0.0/-0.025	Clear Aperture CA (mm): 24.00
Centering (arcmin): <1	Center Thickness CT (mm): 5.50 ±0.20
Center Thickness CT 1 (mm): 3.00 ±0.10	Center Thickness CT 2 (mm): 2.50 ±0.10
Edge Thickness ET (mm): 5.03	Bevel: Protective as needed

Optical Properties

Effective Focal Length EFL (mm): 400.00	Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 397.84	Focal Length Specification Wavelength (nm): 587.6
Radius R₁ (mm): 244.65	Radius R₂ (mm): -179.62
Radius R₃ (mm): -534.10	Substrate: N-BK7 / N-SF5
Surface Quality: 40-20	f/#: 16.00
Numerical Aperture NA: 0.03	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

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

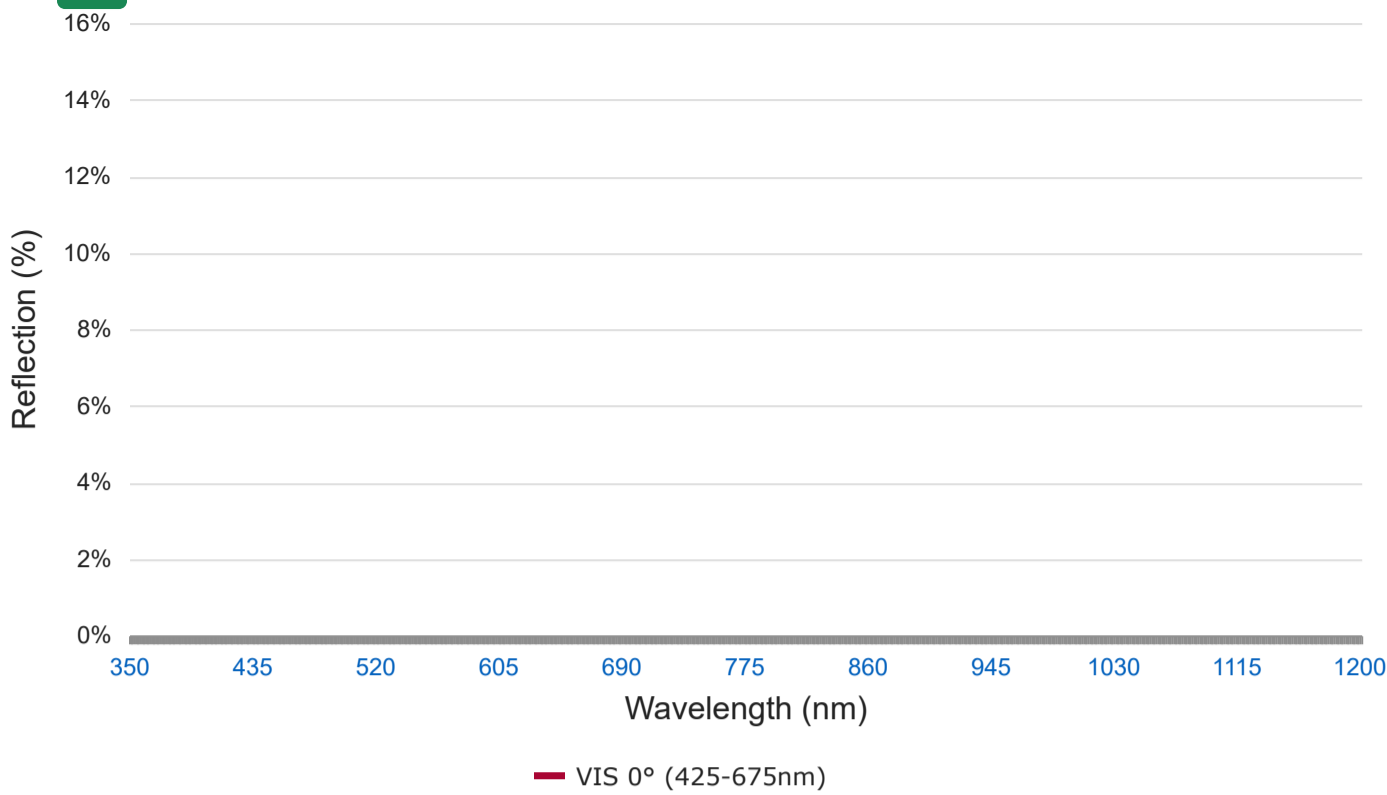
- Designed for 0° Angle of Incidence
- Less Than 0.4% Reflectance Per Surface from 425 - 675nm
- **MgF₂** and **VIS-NIR** Coated Achromats Also Available

TECHSPEC® VIS 0° Coated Achromatic Lenses consist of two optical components cemented together to form an achromatic doublet. The doublet is computer optimized to correct for on-axis spherical and chromatic aberrations. Achromatic lenses are best for applications involving multi-color (white light) imaging due to their specific doublet lens pairing that enables them to correct the color separation inherent in glass. TECHSPEC® VIS 0° Coated Achromatic Lenses provide optimized transmission for 425 – 675nm, reducing average reflection to 0.4%. **MgF₂** and **VIS-NIR** Coated Achromats are also available on our website.

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



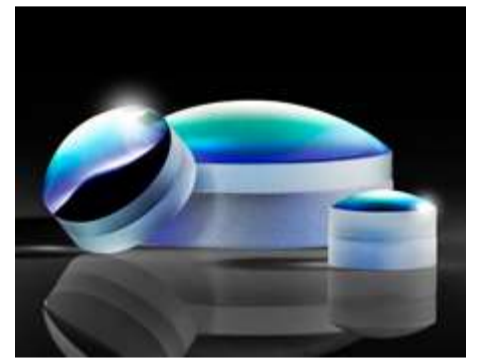
Optic Component Mounts



C, S, and T-Mount Circular Optic Mounts



Optics Cleaning Brushes



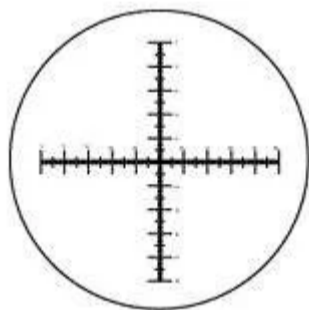
Aspherized Achromatic Lenses

Frequently Purchased Together



#03-625 - 30mm - 50mm Length, C-Mount Fine Focus Tube
₹11,905

Qty



#30-075 - 10mm Scale/100Div, 21mm Dia. Microscope Eyepiece Reticle
₹26,758

Qty



#32-317 - 12.5mm Dia. x 50mm FL, MgF₂ Coated, Achromatic Doublet Lens
₹8,677

Qty



#32-327 - 25mm Dia. x 100mm FL, MgF₂ Coated, Achromatic Doublet Lens
₹12,309

Qty

Compatible Mounts

▲	Title ▼	Type ▼	Compare	Stock Number ▼	Price □	Buy
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MORE+



25.0/25.4mm Optic Dia., SM1 Thin Mount, M4

Fixed

#13-787

₹2,119
Request Quote

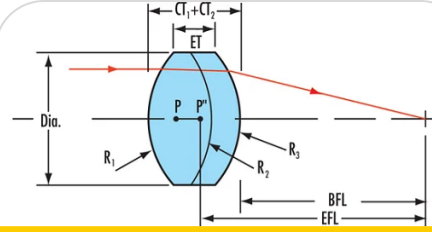
2 In Stock

1

SPIE.

SCIENTIFIC PAPER

Achrotech:
achromat cost
versus
performance...



APPLICATION NOTE

Why Use an
Achromatic
Lens?



VIDEO

Achromatic
Lenses Review

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