

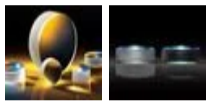
TECHSPEC® 6.25mm Dia. x 35mm FL, VIS 0° Coated, Achromatic Lens



Stock #47-695 [CONTACT US](#) [Other Coating Options](#)

1 C\$105^{.70}

ADD TO CART



Volume Pricing	
Qty 1-5	C\$105.70 each
Qty 6-25	C\$84.70 each
Qty 26-49	C\$78.40 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):	6.25 +0.0/-0.025	Clear Aperture CA (mm):	5.625
Centering (arcmin):	<1	Center Thickness CT (mm):	3.20 ±0.10
Center Thickness CT 1 (mm):	2.30 ±0.05	Center Thickness CT 2 (mm):	0.90 ±0.05
Edge Thickness ET (mm):	2.86	Bevel:	Protective as needed

Optical Properties

Effective Focal Length EFL (mm):	35.00	Focal Length Tolerance (%):	±1
Back Focal Length BFL (mm):	33.59	Focal Length Specification Wavelength (nm):	587.6
Radius R₁ (mm):	23.14	Radius R₂ (mm):	-14.51
Radius R₃ (mm):	-38.86	Substrate:	① N-BK7 / N-SF5
Surface Quality:	40-20	f/#:	5.6
Numerical Aperture NA:	0.09	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		

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

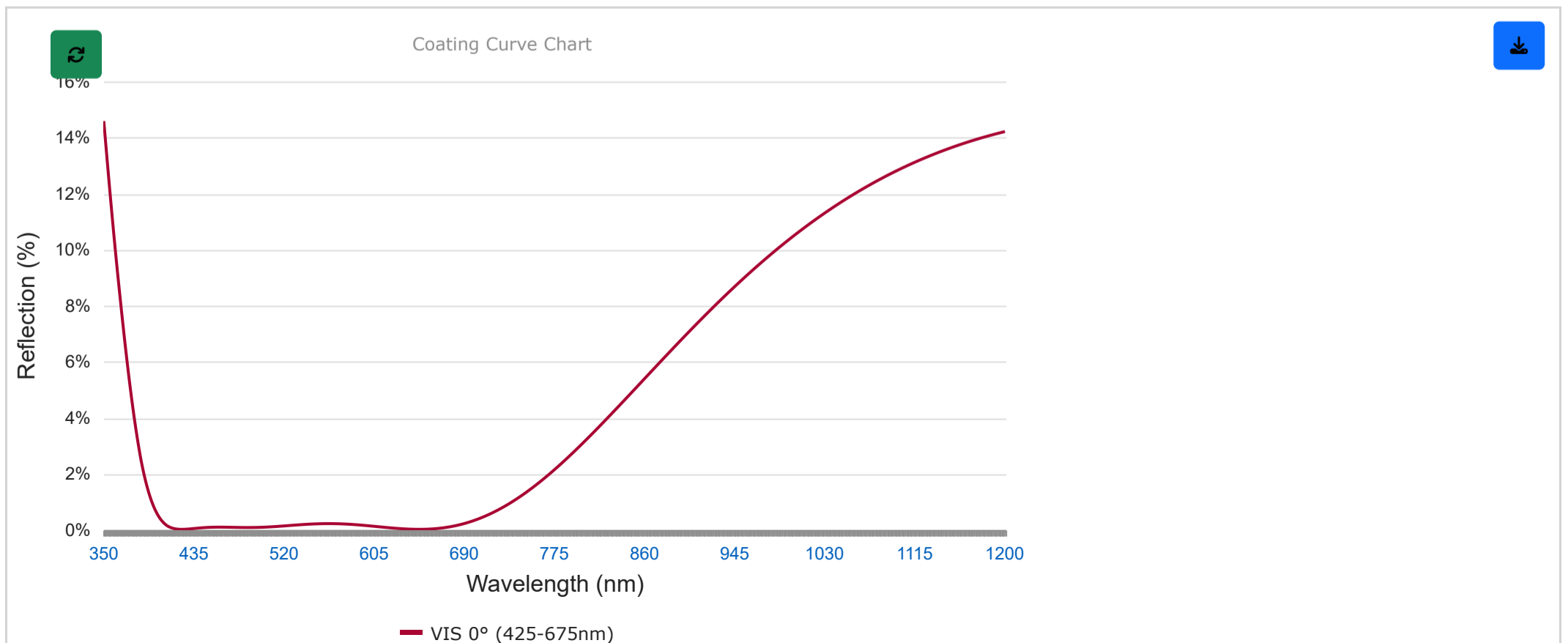
- Designed for 0° Angle of Incidence
- Less Than 0.4% Reflectance Per Surface from 425 - 675nm
- **MgF₂** and **VIS-NIR** Coated Achromats Also Available

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)



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
C\$240.80

Qty

Frequently Purchased Together



#41-621 - 81 x 100mm, 4-6λ Mirror
C\$67.20

Qty



#43-736 - 25mm Diameter, 50R/50T, Plate Beamsplitter
C\$85.40

Qty



#45-266 - 18mm Dia. x 125mm FL, MgF₂ Coated, Achromatic Doublet Lens
C\$147.00

Qty



#45-420 - 6.25mm Dia x -12.5mm Negative Doublet Lens FL
MgF₂ Coated
C\$105.70

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
<input type="button" value="MORE+"/>	6.25mm Diameter, S-Mount Thick Optic Mount	Fixed		#63-949	C\$57.05 Request Quote	16 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>
<input type="button" value="MORE+"/>	6.25mm Inner Single Optic Mount	Fixed		#38-746	C\$57.40 Request Quote	9 In Stock <input type="text" value="1"/> <input type="button" value="🛒"/>

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

[View More](#)