

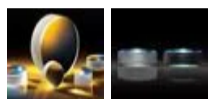
# TECHSPEC® 30mm Dia. x 60mm FL, VIS 0°, Inked, Achromatic Lens



Stock #47-714-INK [CONTACT US](#) [Other Coating Options](#)

1 A\$268<sup>.80</sup>

**ADD TO CART**



Volume Pricing	
Qty 1-5	A\$268.80 each
Qty 6-25	A\$216.00 each
Qty 26-49	A\$201.60 each
Need More?	<a href="#">Request Quote</a>

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	

## General

**Type:** Achromatic Lens

## Physical & Mechanical Properties

<b>Diameter (mm):</b>	30.00 ±0.025	<b>Clear Aperture CA (mm):</b>	29.00
<b>Centering (arcmin):</b>	<1	<b>Center Thickness CT (mm):</b>	11.46 ±0.20
<b>Center Thickness CT 1 (mm):</b>	8.47 ±0.10	<b>Center Thickness CT 2 (mm):</b>	2.99 ±0.10
<b>Edge Thickness ET (mm):</b>	7.66	<b>Bevel:</b>	Protective as needed

## Optical Properties

<b>Effective Focal Length EFL (mm):</b>	60.00	<b>Focal Length Tolerance (%):</b>	±1
<b>Back Focal Length BFL (mm):</b>	52.50	<b>Focal Length Specification Wavelength (nm):</b>	587.6
<b>Radius R<sub>1</sub> (mm):</b>	32.60	<b>Radius R<sub>2</sub> (mm):</b>	-31.81
<b>Radius R<sub>3</sub> (mm):</b>	-799.64	<b>Substrate:</b>	<a href="#">N-SSK8</a> / <a href="#">N-SF10</a>
<b>Surface Quality:</b>	40-20	<b>f/#:</b>	2.00
<b>Numerical Aperture NA:</b>	0.25	<b>Coating:</b>	VIS 0° (425-675nm)

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

## Regulatory Compliance

<b>RoHS 2015:</b>	<b>Compliant</b>	<b>Reach 209:</b>	<b>Compliant</b>
<b>Certificate of Conformance:</b>	<b>View</b>		

## 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

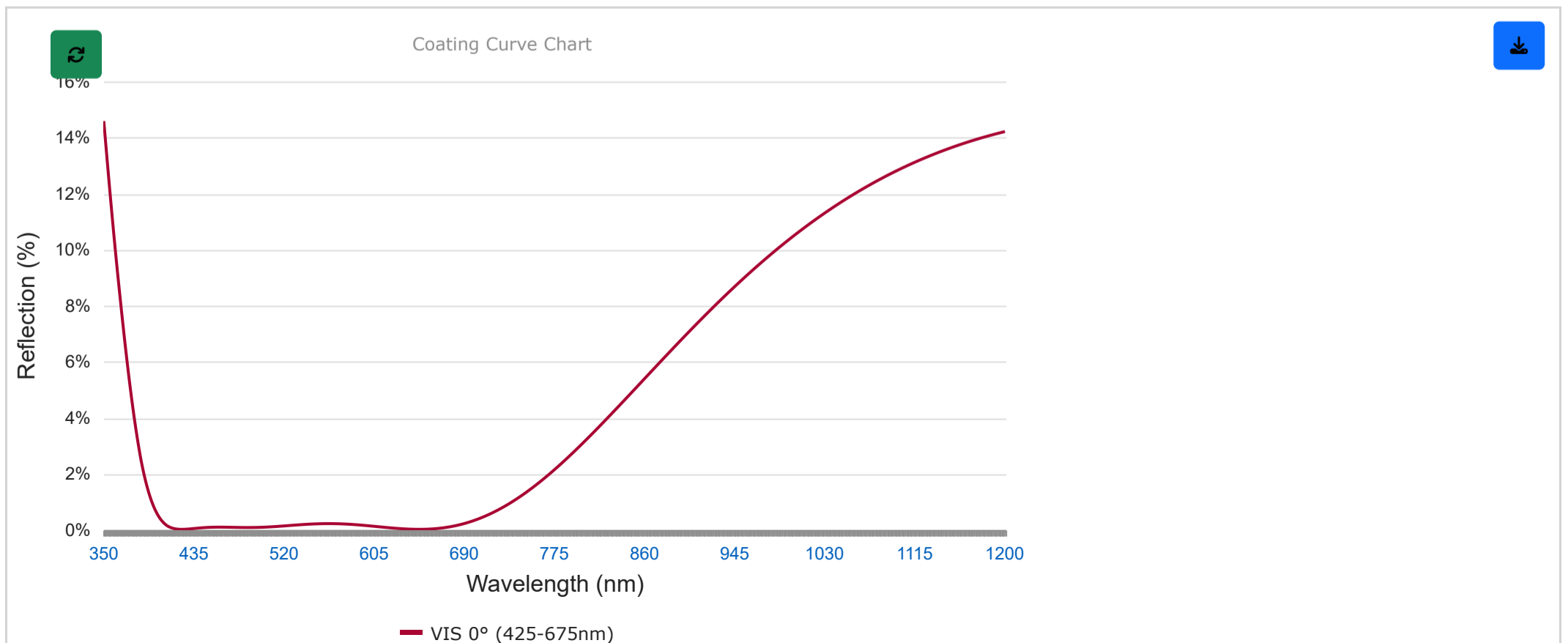
- Designed for 0° Angle of Incidence
- Less Than 0.4% Reflectance Per Surface from 425 - 675nm
- **MgF<sub>2</sub>** and **VIS-NIR** Coated Achromats Also Available

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%. **MgF<sub>2</sub>** 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



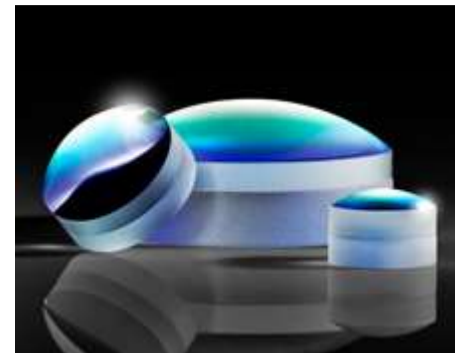
Optic Component Mounts



C, S, and T-Mount Circular Optic Mounts



Optics Cleaning Brushes



Aspherized Achromatic Lenses

## Frequently Purchased Together



#33-920 - 30mm Dia. x 40mm FL, VIS 0° Coated, Achromatic Lens  
A\$251.20

Qty



#33-920-INK - 30mm Dia. x 40mm FL, VIS 0°, Inked, Achromatic Lens  
A\$268.80

Qty



#47-633 - 25mm Dia. x 30mm FL, VIS 0° Coated, Achromatic Lens  
A\$206.40

Qty



#47-713 - 30mm Dia. x 50mm FL, VIS 0° Coated, Achromatic Lens  
A\$251.20

Qty

## Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
	30.0mm Optic Dia., Optic Mount	Fixed		#64-564	A\$52.40 <a href="#">Request Quote</a>	<a href="#">CONTACT US</a> <input type="text" value="1"/>
	30mm Diameter, T-Mount Thick Optic Mount	Fixed		#57-977	A\$115.20 <a href="#">Request Quote</a>	<b>3 In Stock</b> <input type="text" value="1"/>

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

## Resources

Media Type

APPLICATION NOTE

Anti-Reflection (AR) Coatings

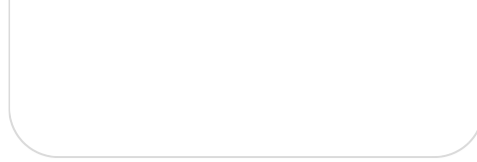
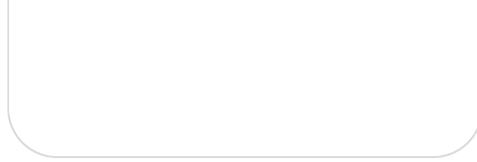
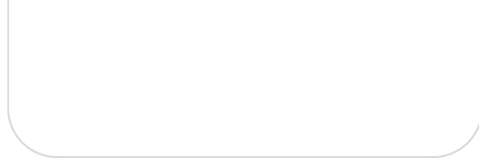
APPLICATION NOTE

An Introduction to Optical Coatings

APPLICATION NOTE

Lens Geometry Performance Comparison

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



**SCIENTIFIC PAPER**

**Achrotech:  
achromat cost  
versus  
performance...**

**APPLICATION NOTE**

**Why Use an  
Achromatic  
Lens?**

**VIDEO**

**Achromatic  
Lenses Review**

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