

**TECHSPEC®**

# 1:1 with 50mm and 50mm EFL Achromats, 15mm Achromatic Pair



TECHSPEC Mounted Achromatic Lens Pairs

Stock #55-272 [CONTACT US](#)

1

C\$292<sup>.60</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	C\$292.60 each
Qty 6-25	C\$233.80 each
Qty 26-49	C\$225.40 each
Need More?	<a href="#">Request Quote</a>

Product Downloads	
STEP:step	PDF Drawing:pdf
IGES:igs	Zemax:zar
Zemax:zmx	eDrawing:eprt
Code V:seq	EO Spec Sheet
<a href="#">Download All</a>	

## General

**Type:** Relay Lens

## Physical & Mechanical Properties

<b>Clear Aperture CA (mm):</b>	9.5	<b>Center Air Spacing (mm):</b>	3.01
<b>Housing Diameter (mm):</b>	15 +0.0/-0.10	<b>Housing Length (mm):</b>	21 ±0.2
<b>Lens Edge Spacing at Mount (mm):</b>	4	<b>Image Distance (mm):</b>	43.47
<b>Construction:</b>	Achromat Pair in Anodized Aluminum Housing		

## Optical Properties

<b>Substrate:</b> <a href="#">N-BK7 / N-SF5 / N-BK7 / N-SF5</a>	<b>Surface Quality:</b>	40-20
<b>Working f/#:</b>	<b>Coating:</b>	MgF <sub>2</sub> (400-700nm)
<b>Coating Specification:</b>	<b>Effective Focal Length EFL A (mm):</b>	R <sub>avg</sub> ≤1.75% @ 400 - 700nm 50.00
<b>Effective Focal Length EFL B (mm):</b>	<b>Magnification:</b>	50.00 1:1
<b>Object Distance (mm):</b>	<b>Wavelength Range (nm):</b>	43.47 400 - 700

## Regulatory Compliance

RoHS 2015: **Compliant**

Reach 209: **Compliant**

Certificate of Conformance: **View**

## Product Details

- 15mm and 30mm Diameter Options
- AR Coated Lenses
- Mounted Achromatic Pairs Kits Available

TECHSPEC® Mounted Achromatic Lens Pairs combine popular TECHSPEC® Achromats into common configurations used for relay and projection applications. Packaged in slim-line aluminum housing, each pair is ready for integration into a host of OEM applications, eliminating the need to handle loose optics. 15.0mm pairs can be coupled into C-mount components using **Helicoid Barrel Accessory**. TECHSPEC Mounted Achromatic Lens Pairs have also been oriented for optimum system performance. All lenses, 15.0mm and 30.0mm, are AR coated. Lower f/# pairs may not be ideal for imaging applications depending on the performance requirements. Cylinder lenses can be incorporated into empty barrels in order to generate lines or sheets of light.

## Technical Information

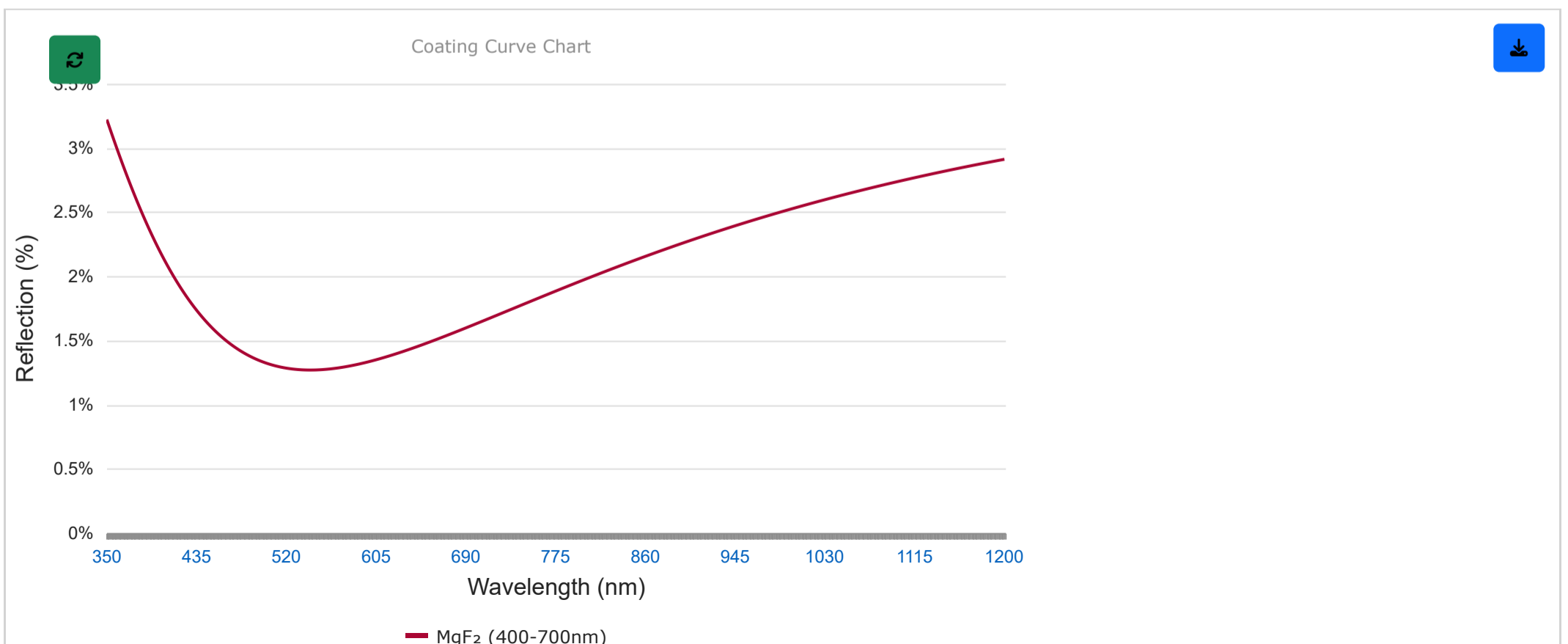
## Accessories

**Note:** Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
<b>MORE+</b>	15mm Barrel for 12.5mm Dia. Achromats		<b>#54-513</b>	<b>C\$88.90</b> <a href="#">Volume Pricing</a>   <a href="#">Request Quote</a>	<b>3 In Stock</b> <input type="text" value="1"/>
<b>MORE+</b>	30mm Barrel for 25.0mm Dia. Achromats		<b>#54-514</b>	<b>C\$88.90</b> <a href="#">Volume Pricing</a>   <a href="#">Request Quote</a>	<b>20+ In Stock</b> <input type="text" value="1"/>

## Coating Curves

MgF<sub>2</sub> (400-700nm)



### Related Products



Achromat Prototyping System



C-Mount Achromatic Pairs

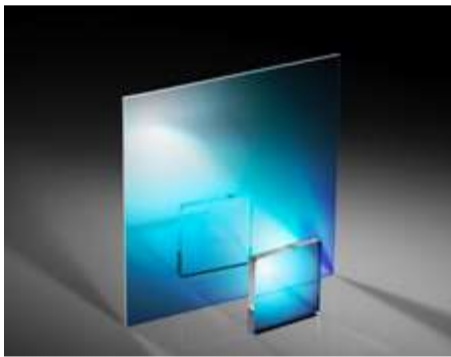


Mounted Near-IR (NIR) Achromatic Lens Pairs



C-Mount Helicoid Barrels

### Frequently Purchased Together



#32-269 - 20 x 27mm, 50R/50T, Plate Beamsplitter  
C\$79.10

Qty



#33-436 - 4X DIN Achromatic Finite Intl Standard Objective  
C\$91.00

Qty



#39-708 - VZM™ 300 Zoom Imaging Lens  
C\$2,016.00

Qty



#32-333 - 15mm, Aluminum Coated, N-BK7 Right Angle Prism  
C\$113.40

Qty

## 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](#)

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