

**TECHSPEC®**

# 1:1 with 75mm and 75mm EFL Achromats, NIR Achromatic Pair



TECHSPEC Mounted Near-IR (NIR) Achromatic Lens Pairs

Stock #47-300 1 In Stock

1 £219<sup>.20</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	£219.20 each
Qty 6-25	£175.20 each
Qty 26-49	£169.60 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

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

## General

Type: Relay Lens

## Physical & Mechanical Properties

Clear Aperture CA (mm):	22.0	Center Air Spacing (mm):	4.66
Housing Diameter (mm):	30.0 +0.0/-0.10	Housing Length (mm):	34.00 ±0.2
Image Distance (mm):	64.24	Construction:	Achromat Pair in Anodized Aluminum Housing

## Optical Properties

Substrate:	<a href="#">N-LAK22 / N-SF6 / N-LAK22 / N-SF6</a>	Surface Quality:	40-20
Working f/#:	f/3.40	Coating:	NIR II (750-1550nm)
Coating Specification:	R <sub>abs</sub> ≤1.5% @ 750 - 800nm R <sub>abs</sub> ≤1.0% @ 800 - 1550nm R <sub>avg</sub> ≤0.7% @ 750 - 1550nm	Effective Focal Length EFL A (mm):	75.00
Effective Focal Length EFL B (mm):	75.00	Magnification:	1:1
Object Distance (mm):	64.24	Wavelength Range (nm):	750 - 1550

## Regulatory Compliance

Certificate of Conformance: [View](#)

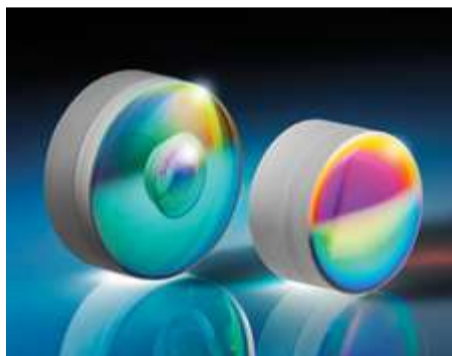
## Product Details

- 30mm Diameter Package Designed for NIR Applications
- Optimized for Various Magnification Ratios
- Ideal for Integration into OEM Applications
- NIR II Coated for 750-1550nm

Our 15.0mm and 30.0mm Mounted Achromatic Pairs combine our popular TECHSPEC® achromats into common configurations used for relay and projection applications. Packaged in a slim-line aluminum housing, each pair is ready for integration into a host of OEM applications, eliminating the need to handle loose optics. Each lens has also been oriented for optimum system performance. All lenses 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

### Related Products



Near-IR (NIR) Achromatic Lenses



C-Mount Achromatic Pairs



Mounted Achromatic Lens Pairs

### Frequently Purchased Together



#47-302 - 1:1 with 100mm and 100mm EFL Achromats, NIR Achromatic Pair  
£219.20

Qty



#58-778 - 1" x 1" (40 lp/mm), Ronchi Ruling  
£230.36

Qty

## Resources

Media Type

APPLICATION NOTE

APPLICATION NOTE

APPLICATION NOTE

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

Anti-Reflection  
(AR) Coatings

An  
Introduction to  
Optical  
Coatings

Lens Geometry  
Performance  
Comparison

GLOSSARY

NIR (Near  
Infrared)

GLOSSARY

VIS/NIR  
Coating

APPLICATION NOTE

The Correct  
Material for  
Infrared (IR)  
Applications

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