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**TECHSPEC® 1:1.33 with 75mm and 100mm EFL Achromats, NIR Achromatic Pair**



TECHSPEC Mounted Near-IR (NIR) Achromatic Lens Pairs

Stock **#47-301** [CONTACT US](#)

⊖ 1 ⊕ £219<sup>00</sup>

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Volume Pricing	
Qty 1-5	£219.20 each
Qty 6-25	£175.20 each
Qty 26-49	£169.60 each
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**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Relay Lens **Type:**

**Physical & Mechanical Properties**

22.0 **Clear Aperture CA (mm):**

**Center Air Spacing (mm):**

Housing Diameter (mm):  
30.0 +0.0/-0.10

Housing Length (mm):  
34.00 ±0.2

Image Distance (mm):  
89.50

Construction:  
Achromat Pair in Anodized Aluminum Housing

## Optical Properties

Substrate:   
N-LAK22 / N-SF6 / N-LAK22 / N-SF6

Surface Quality:  
40-20

Working f##:  
f/4.55

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):  
100.00

Magnification:  
1:1.33

Object Distance (mm):  
64.24

Wavelength Range (nm):  
750 - 1550

## Regulatory Compliance

Certificate of Conformance:  
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## 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. Packed 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

