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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 ⊕ **A\$438<sup>00</sup>**

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Volume Pricing	
Qty 1-5	<b>A\$438.40</b> each
Qty 6-25	<b>A\$350.40</b> each
Qty 26-49	<b>A\$339.20</b> each
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**General**

Relay Lens **Type:**

**Physical & Mechanical Properties**

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

5.05 **Center Air Spacing (mm):**

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

34.00 ±0.2 **Housing Length (mm):**

89.50 **Image Distance (mm):**

**Construction:**  
Achromat Pair in Anodized Aluminum Housing

## Optical Properties

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

40-20 **Surface Quality:**

f/4.55 **Working f#:**

NIR II (750-1550nm) **Coating:**

**Coating Specification:**  
 $R_{abs} \leq 1.5\%$  @ 750 - 800nm  
 $R_{abs} \leq 1.0\%$  @ 800 - 1550nm  
 $R_{avg} \leq 0.7\%$  @ 750 - 1550nm

75.00 **Effective Focal Length EFL A (mm):**

100.00 **Effective Focal Length EFL B (mm):**

1:1.33 **Magnification:**

64.24 **Object Distance (mm):**

750 - 1550 **Wavelength Range (nm):**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

## 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

