

[See all 10 Products in Family](#)

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



TECHSPEC Mounted Near-IR (NIR) Achromatic Lens Pairs

Stock **#47-302** **2 In Stock**

⊖ 1 ⊕ £219<sup>00</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

**General**

Relay Lens **Type:**

**Physical & Mechanical Properties**

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

**Center Air Spacing (mm):**

5.45

**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/4.54

**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):**  
100.00

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

**Magnification:**  
1:1

**Object Distance (mm):**  
89.50

**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

