

TECHSPEC<sup>®</sup> 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>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> |

**i** 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):

|                                            |                        |
|--------------------------------------------|------------------------|
| 5.05                                       |                        |
|                                            |                        |
| 30.0 +0.0/-0.10                            | Housing Diameter (mm): |
|                                            |                        |
| 34.00 ±0.2                                 | Housing Length (mm):   |
|                                            |                        |
| 89.50                                      | Image Distance (mm):   |
|                                            |                        |
| Achromat Pair in Anodized Aluminum Housing | Construction:          |

Optical Properties

|                                                                                                                        |                                     |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
|                                                                                                                        | Substrate: <input type="checkbox"/> |
| 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 <sub>abs</sub> ≤1.5% @ 750 - 800nm<br>R <sub>abs</sub> ≤1.0% @ 800 - 1550nm<br>R <sub>avg</sub> ≤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

|                      |                             |
|----------------------|-----------------------------|
|                      | Certificate of Conformance: |
| <a href="#">View</a> |                             |

## 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

