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TECHSPEC<sup>®</sup> 25mm Dia. x -50mm FL, NIR I, Inked, Double-Concave Lens



Stock **#49-551-INK** **1 In Stock**

☐ [Other Coating Options](#)

-

1

+

₹5,085

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | ₹5,085 each                   |
| Qty 10-25      | ₹4,590 each                   |
| Qty 26-49      | ₹4,073 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Double-Concave Lens

Physical & Mechanical Properties

Diameter (mm):

25.00 ±0.025

|                                       |                                                       |
|---------------------------------------|-------------------------------------------------------|
| Protective as needed                  | Bevel:                                                |
| 2.50                                  | Center Thickness CT (mm):                             |
| ±0.10                                 | Center Thickness Tolerance (mm):                      |
| <1                                    | Centering (arcmin):                                   |
| 24.00                                 | Clear Aperture CA (mm):                               |
| 5.40                                  | Edge Thickness ET (mm):                               |
| Optical Properties                    |                                                       |
| -50.00                                | Effective Focal Length EFL (mm):                      |
| N-BK7                                 | Substrate: <input type="checkbox"/>                   |
| 2.00                                  | f/#:                                                  |
| 0.25                                  | Numerical Aperture NA:                                |
| NIR I (600-1050nm)                    | Coating:                                              |
| 600 - 1050                            | Wavelength Range (nm):                                |
| -50.82                                | Back Focal Length BFL (mm):                           |
| R <sub>avg</sub> ≤0.5% @ 600 - 1050nm | Coating Specification:                                |
| 587.6                                 | Focal Length Specification Wavelength (nm):           |
| ±1                                    | Focal Length Tolerance (%):                           |
| -52.10                                | Radius R <sub>1</sub> =R <sub>2</sub> (mm):           |
| 40-20                                 | Surface Quality:                                      |
| 7 J/cm <sup>2</sup> @ 1064nm, 10ns    | Damage Threshold, By Design: <input type="checkbox"/> |
| 1.5λ                                  | Power (P-V) @ 632.8nm:                                |
| λ/4                                   | Irregularity (P-V) @ 632.8nm:                         |
| Regulatory Compliance                 |                                                       |
| View                                  | Certificate of Conformance:                           |
| Japan                                 | Country of Origin:                                    |
| Edmund Optics India Private Limited   | Imported By:                                          |

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

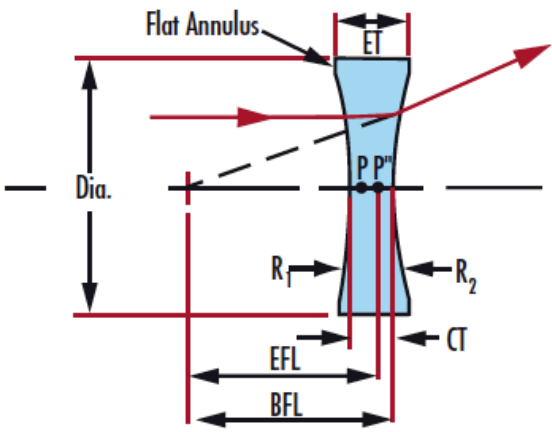
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- AR Coated to Provide <0.5% Reflectance per Surface for 600 - 1050nm
- Designed for 0° Angle of Incidence
- Various Coating Options: [Uncoated](#), [VIS-EXT](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), and [NIR II](#)

TECHSPEC® NIR I Coated Double-Concave (DCV) Lenses are designed to have two inward curved surfaces and a negative focal length similar to Plano-Concave (PCV) lenses. These lenses can be used for balancing aberrations created by other lenses within a system due to their negative spherical aberration. Double-Concave (DCV) lenses are commonly used in a variety of applications including image reduction, beam expansion and telescopes. TECHSPEC® NIR I Coated Double-Concave (DCV) Lenses offer optimal performance in the 600nm to 1050nm range. These lenses are also available [Uncoated](#), [VIS-EXT](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), or with [NIR II](#) AR coating options.

Technical Information



Compatible Mounts