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TECHSPEC<sup>®</sup> 6mm Dia. x -9mm FL, NIR II, Inked, Double-Concave Lens



Stock #68-006-INK

CONTACT US

☐ Other Coating Options

-

1

+

₹4,500

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| Volume Pricing |                               |
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| Qty 1-9        | ₹4,500 each                   |
| Qty 10-25      | ₹4,050 each                   |
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Product Downloads

General

Type:

Double-Concave Lens

Physical & Mechanical Properties

Diameter (mm):

6.00 ±0.025

|                                                                                                                        |                                                       |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| 1.00                                                                                                                   | Center Thickness CT (mm):                             |
| ±0.05                                                                                                                  | Center Thickness Tolerance (mm):                      |
| <3                                                                                                                     | Centering (arcmin):                                   |
| 5.40                                                                                                                   | Clear Aperture CA (mm):                               |
| 1.79                                                                                                                   | Edge Thickness ET (mm):                               |
| Optical Properties                                                                                                     |                                                       |
| -9.00                                                                                                                  | Effective Focal Length EFL (mm):                      |
| N-BK7                                                                                                                  | Substrate: <input type="checkbox"/>                   |
| 1.5                                                                                                                    | f#:                                                   |
| 0.33                                                                                                                   | Numerical Aperture NA:                                |
| NIR II (750-1550nm)                                                                                                    | Coating:                                              |
| 750 - 1550                                                                                                             | Wavelength Range (nm):                                |
| -9.32                                                                                                                  | Back Focal Length BFL (mm):                           |
| 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 | Coating Specification:                                |
| 587.6                                                                                                                  | Focal Length Specification Wavelength (nm):           |
| ±1.00                                                                                                                  | Focal Length Tolerance (%):                           |
| -9.47                                                                                                                  | Radius R <sub>1</sub> =R <sub>2</sub> (mm):           |
| 40-20                                                                                                                  | Surface Quality:                                      |
| 8 J/cm² @ 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:                |

## Product Details

- AR Coated to Provide <0.7% Reflectance per Surface for 750 - 1550nm
  - Double-Concave Lenses Have Two Inward Curved Surfaces and a Negative Focal Length
  - Used for Image Reduction and to Spread Light
  - Various Coating Options: [Uncoated](#), [VIS-EXT](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), and [NIR I](#)
- TECHSPEC® NIR II 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 II Coated Double-Concave (DCV) Lenses offer optimal performance in the 750nm to 1550nm range. These lenses are also available in [Uncoated](#), [VIS-EXT](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), or with [NIR I](#) AR coating options.

## Technical Information



## 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](#).

## Compatible Mounts