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**TECHSPEC® 25mm Dia. x -50mm FL, VIS-NIR, Inked, Double-Concave Lens**



Stock **#45-931-INK** [CONTACT US](#)

⊖ 1 ⊕ £53.60

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Volume Pricing	
Qty 1-9	£53.60 each
Qty 10-25	£48.40 each
Qty 26-49	£42.80 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Double-Concave Lens **Type:**

**Physical & Mechanical Properties**

**Diameter (mm):**

25.00

Bevel:

Protective as needed

Center Thickness CT (mm):

2.50

Center Thickness Tolerance (mm):

±0.10

Centering (arcmin):

<1

Clear Aperture CA (mm):

24.00

Edge Thickness ET (mm):

5.40

### Optical Properties

Effective Focal Length EFL (mm):

-50.00

Substrate:

N-BK7

f#:

2.00

Numerical Aperture NA:

0.25

Coating:

VIS-NIR (400-1000nm)

Wavelength Range (nm):

400 - 1000

Back Focal Length BFL (mm):

-50.82

Coating Specification:

R<sub>abs</sub> ≤ 0.25% @ 880nm  
R<sub>avg</sub> ≤ 1.25% @ 400 - 870nm  
R<sub>avg</sub> ≤ 1.25% @ 890 - 1000nm

Focal Length Tolerance (%):

±1

Radius R<sub>1</sub>=R<sub>2</sub> (mm):

-52.10

Surface Quality:

40-20

### Regulatory Compliance

Certificate of Conformance:

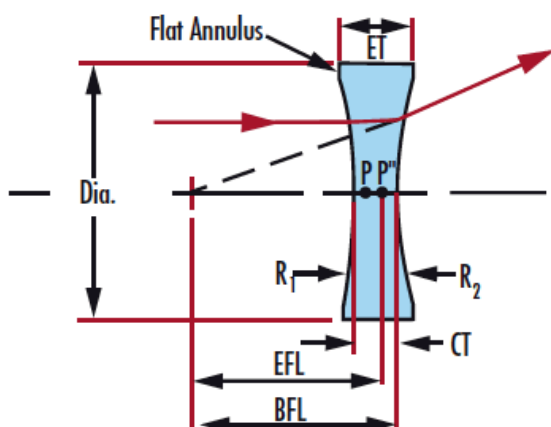
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## Product Details

- AR Coated to Provide <1.25% Reflectance per Surface for 400 - 1000nm
- <0.25% Reflectance @ 880nm
- Designed for 0° Angle of Incidence
- Various Coating Options: [Uncoated](#), [VIS-EXT](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [NIR I](#), and [NIR II](#)

TECHSPEC® VIS-NIR 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® VIS-NIR Coated Double-Concave (DCV) Lenses are optimized for transmission (>99%) in the near-infrared. These lenses are also available [Uncoated](#), [VIS-EXT](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [NIR I](#), or with [NIR II](#) AR coating options.

## Technical Information



## Coating Curves

### 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

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