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TECHSPEC[®] 6mm Dia. x -9mm FL, NIR II, Inked, Double-Concave Lens



Stock **#68-006-INK** [CONTACT US](#)

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-

1

+

€54^{.50}

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Volume Pricing	
Qty 1-9	€54,50 each
Qty 10-25	€49,00 each
Qty 26-49	€43,50 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Double-Concave Lens

Type:

Physical & Mechanical Properties

6.00 ±0.025	Diameter (mm):
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: ☐
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 _{abs} ≤1.5% @ 750 - 800nm R _{abs} ≤1.0% @ 800 - 1550nm R _{avg} ≤0.7% @ 750 - 1550nm	Coating Specification:
587.6	Focal Length Specification Wavelength (nm):
±1.00	Focal Length Tolerance (%):
-9.47	Radius R ₁ =R ₂ (mm):
40-20	Surface Quality:
8 J/cm ² @ 1064nm, 10ns	Damage Threshold, By Design: ☐
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:

Regulatory Compliance

View	Certificate of Conformance:
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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](#).

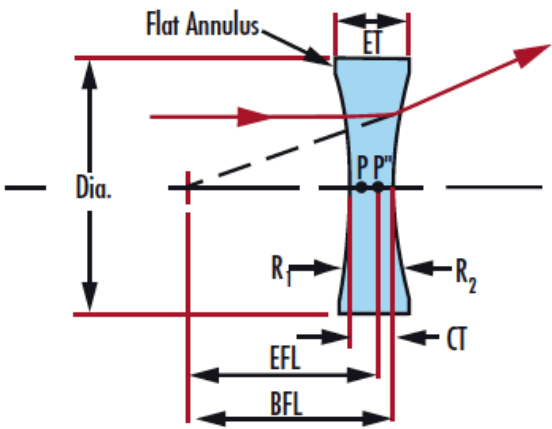
Product Details

- AR Coated to Provide <0.7% 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](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), and [NIR I](#)

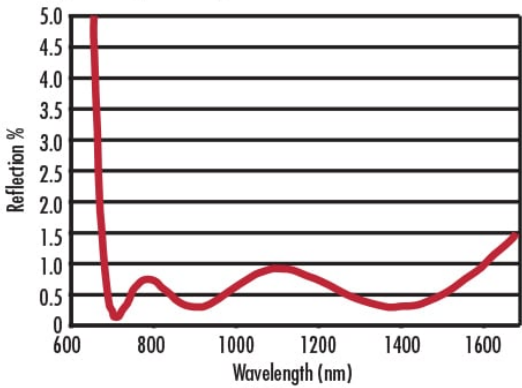
TECHSPEC® NIR II Coated Double-Concave (DCV) Lenses are designed to have two inward curved surfaces and a negative focal length similar to Plano-Concave (PCV) lenses. These lenses can be used for balancing aberrations created by other lenses within a system due to their negative spherical aberration. 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](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), or with [NIR I](#) AR coating options.

Technical Information



NIR II Coating
Ravg ≤ 0.7% @ 750 - 1550nm, Rabs ≤ 1.0% @ 800 - 1550nm
Typ. Energy Density Limit: 8 J/cm² @ 1064nm, 10ns



Compatible Mounts