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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

+

£43^{.00}

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Volume Pricing	
Qty 1-9	£43.60 each
Qty 10-25	£39.20 each
Qty 26-49	£34.80 each
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Product Downloads

General

Type:

Double-Concave Lens

Physical & Mechanical Properties

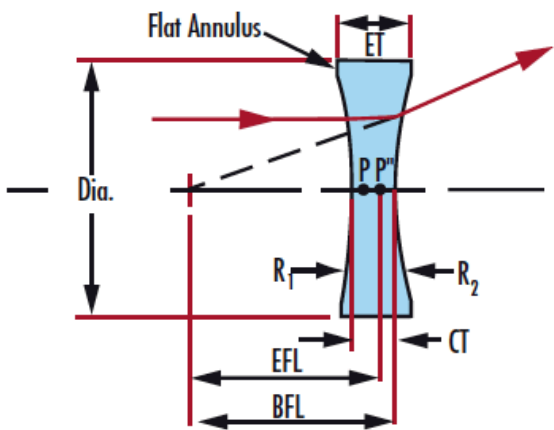
6.00 ±0.025	Diameter (mm):
1.00	Center Thickness CT (mm):
±0.05	Center Thickness Tolerance (mm):
<3	Centering (arcmin):
5.40	Clear Aperture CA (mm):
1.79	Edge Thickness ET (mm):
Optical Properties	
-9.00	Effective Focal Length EFL (mm):
N-BK7	Substrate: ☐
1.5	f/#:
0.33	Numerical Aperture NA:
NIR II (750-1550nm)	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:

Product Details

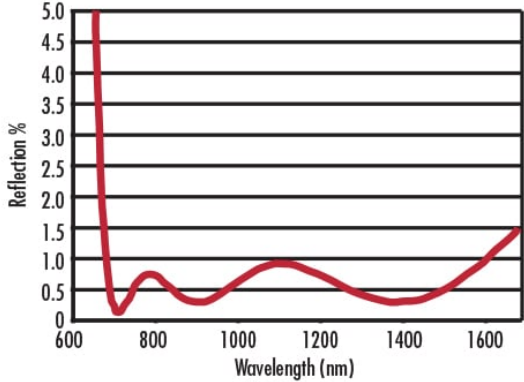
- AR Coated to Provide <0.7% Reflectance per Surface for 750 - 1550nm
- Double-Concave Lenses Have Two Inward Curved Surfaces and a Negative Focal Length
- Used for Image Reduction and to Spread Light
- Various Coating Options: [Uncoated](#), [VIS-EXT](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), and [NIR 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
 $R_{avg} \leq 0.7\%$ @ 750 - 1550nm, $R_{abs} \leq 1.0\%$ @ 800 - 1550nm
Typ. Energy Density Limit: 8 J/cm² @ 1064nm, 10ns



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

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Compatible Mounts