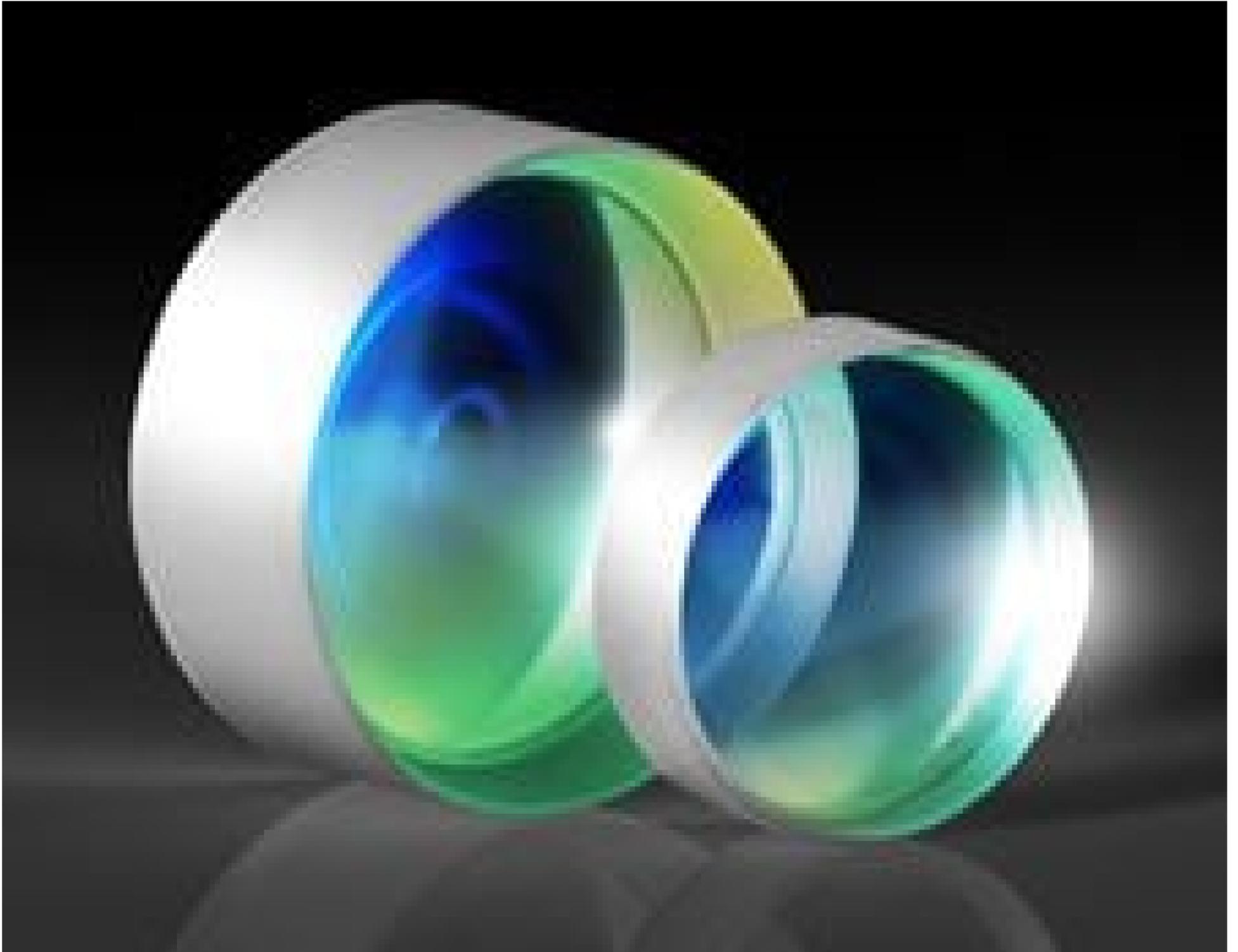


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TECHSPEC® 25mm Dia. x -50mm FL, NIR I Coated, Double-Concave Lens



Stock **#49-551** [CONTACT US](#)

[Other Coating Options](#)

- 1 + A\$81⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-9	A\$81.60 each
Qty 10-25	A\$73.20 each
Qty 26-49	A\$65.60 each
Need More?	Request Quote

Product Downloads

General

Double-Concave Lens **Type:**

Physical & Mechanical Properties

25.00 +0.0/-0.025 **Diameter (mm):**

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):
$R_{avg} \leq 0.5\% @ 600 - 1050nm$	Coating Specification:
587.6	Focal Length Specification Wavelength (nm):
±1	Focal Length Tolerance (%):
-52.10	Radius $R_1=R_2$ (mm):
40-20	Surface Quality:
$7 J/cm^2 @ 1064nm, 10ns$	Damage Threshold, By Design: <input type="checkbox"/>
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

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

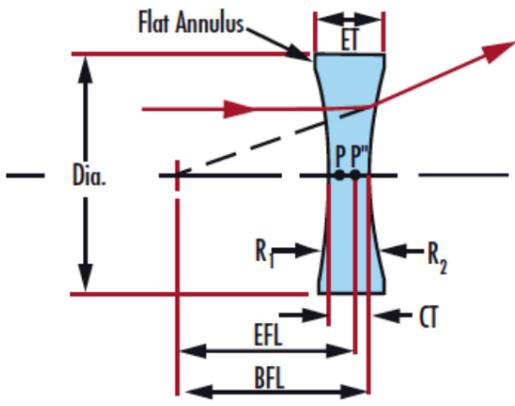
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

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](#), [MgF₂](#), [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](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), or with [NIR II](#) AR coating options.

Technical Information



Compatible Mounts
