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TECHSPEC[®] 12mm Dia. x -24mm FL, VIS-NIR, Inked, Double-Concave Lens



Stock **#48-701-INK** [CONTACT US](#)

-1+

£49⁰⁰

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Volume Pricing	
Qty 1-9	£49.60 each
Qty 10-25	£44.80 each
Qty 26-49	£39.80 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Double-Concave Lens

Physical & Mechanical Properties

Diameter (mm):

12.00	
	Bevel:
Protective as needed	
Center Thickness CT (mm):	
2.00	
Center Thickness Tolerance (mm):	
±0.05	
Centering (arcmin):	
<1	
Clear Aperture CA (mm):	
11.00	
Edge Thickness ET (mm):	
3.31	
Optical Properties	
Effective Focal Length EFL (mm):	
-24.00	
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):	
-24.65	
Coating Specification:	
R _{abs} ≤0.25% @ 880nm	
R _{avg} ≤1.25% @ 400 - 870nm	
R _{avg} ≤1.25% @ 890 - 1000nm	
Focal Length Tolerance (%):	
±1	
Radius R ₁ =R ₂ (mm):	
-25.14	
Surface Quality:	
40-20	
Regulatory Compliance	
Certificate of Conformance:	
View	

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 <1.25% Reflectance per Surface for 400 - 1000nm
- <0.25% Reflectance @ 880nm
- Designed for 0° Angle of Incidence
- Various Coating Options: [Uncoated](#), [VIS-EXT](#), [MgF₂](#), [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](#), [MgF₂](#), [VIS 0°](#), [NIR I](#), or with [NIR II](#) AR coating options.

Technical Information



Coating Curves

Compatible Mounts