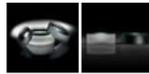


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TECHSPEC® 9mm Dia. x -9mm FL, Uncoated, Double-Concave Lens



Stock **#48-336** **20+ In Stock**

[Other Coating Options](#)

1 ₹2,258

ADD TO CART

Volume Pricing	
Qty 1-9	₹2,258 each
Qty 10-25	₹2,044 each
Qty 26-49	₹1,810 each
Need More?	Request Quote

Product Downloads

General

Double-Concave Lens **Type:**

Physical & Mechanical Properties

9.00 +0.0/-0.025 **Diameter (mm):**

Protective as needed	Bevel:
2.25	Center Thickness CT (mm):
±0.05	Center Thickness Tolerance (mm):
<3	Centering (arcmin):
8.1	Clear Aperture CA (mm):
3.48	Edge Thickness ET (mm):

Optical Properties

-9.00	Effective Focal Length EFL (mm):
N-SF11	Substrate: <input type="checkbox"/>
1.00	f#:
0.50	Numerical Aperture NA:
Uncoated	Coating:
400 - 2500	Wavelength Range (nm):
-9.61	Back Focal Length BFL (mm):
587.6	Focal Length Specification Wavelength (nm):
±1	Focal Length Tolerance (%):
-14.60	Radius R₁=R₂ (mm):
40-20	Surface Quality:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:

Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 219:
View	Certificate of Conformance:
Japan	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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

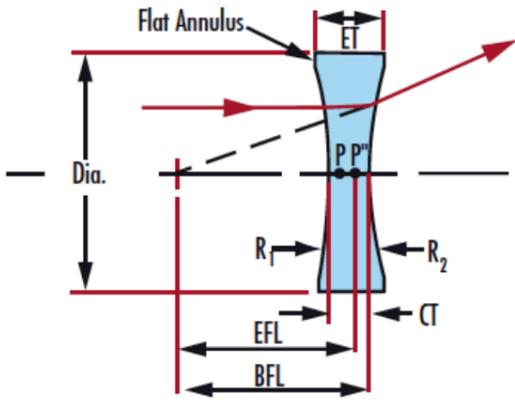
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Wavelength Range of 350-2200nm
- Precision Diameter and Centration Tolerances Allow for Easy OEM Integration
- Wide Variety of Diameters and Focal Lengths
- Additional AR Coating Options Available: **VIS-EXT**, **MgF₂**, **VIS 0°**, **VIS-NIR**, **NIR I**, and **NIR II**

TECHSPEC® Uncoated 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® Uncoated Double-Concave (DCV) Lenses offer optimal performance in the 350nm to 2200nm range. These lenses are also available **VIS-EXT**, **MgF₂**, **VIS 0°**, **VIS-NIR**, **NIR I**, or with **NIR II** AR coating options.

Technical Information



Compatible Mounts
