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**TECHSPEC® 6mm Dia. x -6mm FL, VIS 0° Coated, Double-Concave Lens**



Stock **#47-914** [CONTACT US](#)

[Other Coating Options](#)

- 1 + ₹3,114

**ADD TO CART**

Volume Pricing	
Qty 1-9	₹3,114 each
Qty 10-25	₹2,803 each
Qty 26-49	₹2,491 each
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**General**

Double-Concave Lens **Type:**

**Physical & Mechanical Properties**

6.00 +0.0/-0.025 **Diameter (mm):**

Protective as needed	<b>Bevel:</b>
1.50	<b>Center Thickness CT (mm):</b>
±0.05	<b>Center Thickness Tolerance (mm):</b>
<3	<b>Centering (arcmin):</b>
5.4	<b>Clear Aperture CA (mm):</b>
2.29	<b>Edge Thickness ET (mm):</b>

## Optical Properties

-6.00	<b>Effective Focal Length EFL (mm):</b>
<b>N-SF11</b>	<b>Substrate:</b> <input type="checkbox"/>
1.00	<b>f#:</b>
0.50	<b>Numerical Aperture NA:</b>
VIS 0° (425-675nm)	<b>Coating:</b>
425 - 675	<b>Wavelength Range (nm):</b>
-6.41	<b>Back Focal Length BFL (mm):</b>
R <sub>avg</sub> ≤ 0.4% @ 425 - 675nm	<b>Coating Specification:</b>
587.6	<b>Focal Length Specification Wavelength (nm):</b>
±1	<b>Focal Length Tolerance (%):</b>
-9.74	<b>Radius R<sub>1</sub>=R<sub>2</sub> (mm):</b>
40-20	<b>Surface Quality:</b>
5 J/cm <sup>2</sup> @ 532nm, 10ns	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>
1.5λ	<b>Power (P-V) @ 632.8nm:</b>
λ/4	<b>Irregularity (P-V) @ 632.8nm:</b>

## Regulatory Compliance

<b>Compliant</b>	<b>RoHS 2015:</b>
<b>View</b>	<b>Certificate of Conformance:</b>
<b>Compliant</b>	<b>Reach 235:</b>
Japan	<b>Country of Origin:</b>
Edmund Optics India Private Limited	<b>Imported By:</b>

## 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

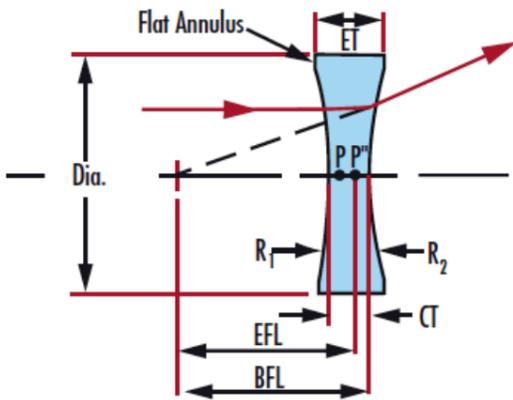
- AR Coated to Provide <0.4% Reflectance per Surface for 425 - 675nm
- Designed for 0° Angle of Incidence

- Various Coating Options: [Uncoated](#), [VIS-EXT](#), [MgF<sub>2</sub>](#), [VIS-NIR](#), [NIR I](#), and [NIR II](#)

TECHSPEC® VIS 0° 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 0° Coated Double-Concave (DCV) Lenses are best used in 0° angle of incidence situations and provide optimized transmission in the 425nm – 675nm range. These lenses are also available [Uncoated](#), [VIS-EXT](#), [MgF<sub>2</sub>](#), [VIS-NIR](#), [NIR I](#), or with [NIR II](#) AR coating options.

## Technical Information



### Coating Curves

### Compatible Mounts