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TECHSPEC® 6mm Dia. x -12mm FL, VIS-EXT Coated, Double-Concave Lens



Stock **#26-669** [CONTACT US](#)

⊖ 1 ⊕ £37²⁰

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Volume Pricing	
Qty 1-9	£37.20 each
Qty 10-25	£33.40 each
Qty 26-49	£29.80 each
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! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Double-Concave Lens **Type:**

Physical & Mechanical Properties

Diameter (mm):

6.00 +0.0/-0.025

Bevel:

Protective as needed

Center Thickness CT (mm):

1.00 ±0.05

Centering (arcmin):

<1

Clear Aperture CA (mm):

5.4

Edge Thickness ET (mm):

1.59

Optical Properties

Effective Focal Length EFL (mm):

-12.00

Substrate:

N-BK7

f#:

2.00

Numerical Aperture NA:

0.25

Coating:

VIS-EXT (350-700nm)

Wavelength Range (nm):

350 - 700

Back Focal Length BFL (mm):

-12.33

Coating Specification:

R_{avg} ≤0.4% @ 425 - 675nm

Focal Length Specification Wavelength (nm):

587.6

Focal Length Tolerance (%):

±1

Radius R₁=R₂ (mm):

-12.57

Surface Quality:

40-20

Damage Threshold, By Design:

5 J/cm² @ 532nm, 10ns

Power (P-V) @ 632.8nm:

1.5λ

Irregularity (P-V) @ 632.8nm:

λ/4

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 235:

Compliant

Need different specs or modifications?

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 350 - 700nm
- Designed for 0° Angle of Incidence
- Precision Diameter and Centration Tolerances Allow for Easy OEM Integration
- Additional AR Coating Options Available: [Uncoated](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), and [NIR II](#)

TECHSPEC® VIS-EXT 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. Plano-Concave (DCV) lenses are commonly used in a variety of applications including image reduction, beam expansion and telescopes. TECHSPEC® VIS-EXT Coated Plano-Concave (DCV) Lenses offer optimal performance in the 350nm to 700nm range. These lenses are also available [Uncoated](#), [MgF₂](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), or with [NIR II](#) AR coating options.

Technical Information

