

TECHSPEC® 25mm Dia. x -50mm FL, Uncoated, Double-Concave Lens



Stock #32-996 3-4 DAYS

[Other Coating Options](#)

⊖ 1 ⊕ €33²⁵

ADD TO CART

Qty 1-9

€33,25

Qty 10+

€30,00

Volume Pricing

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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads



SPECIFICATIONS

General

Type:
Double-Concave Lens

Physical & Mechanical Properties

Diameter (mm):
25.00 +0.0/-0.025

Bevel:
Protective bevel as needed

Center Thickness CT (mm):
2.50

Center Thickness Tolerance (mm):
±0.10

Centering (arcmin):
<1

Clear Aperture CA (mm):
24.00

Edge Thickness ET (mm):
5.40

Optical Properties

Effective Focal Length EFL (mm):
-50.00

Substrate:
[N-BK7](#)

f#:
2.00

Numerical Aperture NA:
0.25

Coating:
Uncoated

Wavelength Range (nm):
350 - 2200

Back Focal Length BFL (mm):
-50.82

Focal Length Specification Wavelength (nm):
587.6

Focal Length Tolerance (%):
±1

Radius $R_1=-R_2$ (mm):
-52.10

Surface Quality:
40-20

Power (P-V) @ 632.8nm:
1.5λ

Irregularity (P-V) @ 632.8nm:
λ/4

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Reach 219:
[Compliant](#)

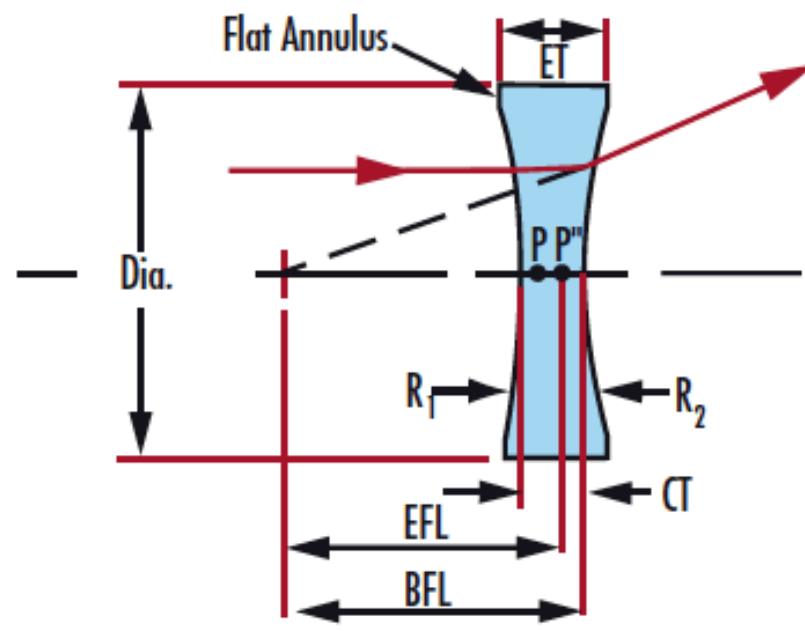
Certificate of Conformance:
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PRODUCT DETAILS

- 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
