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TECHSPEC<sup>®</sup>

25mm Dia. x -100mm FL, MgF<sub>2</sub> Coated, Double-Concave Lens



Stock **#32-995** **3 In Stock**

[Other Coating Options](#)

-

1

+

C\$61<sup>.60</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | C\$61.60 each                 |
| Qty 10-25      | C\$55.65 each                 |
| Qty 26-49      | C\$49.35 each                 |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Double-Concave Lens

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.0/-0.025

|                                  |        |
|----------------------------------|--------|
|                                  | Bevel: |
| Protective as needed             |        |
|                                  |        |
| Center Thickness CT (mm):        |        |
| 5.00                             |        |
|                                  |        |
| Center Thickness Tolerance (mm): |        |
| ±0.10                            |        |
|                                  |        |
| Centering (arcmin):              |        |
| <1                               |        |
|                                  |        |
| Clear Aperture CA (mm):          |        |
| 24.0                             |        |
|                                  |        |
| Edge Thickness ET (mm):          |        |
| 6.43                             |        |

Optical Properties

|                                                       |  |
|-------------------------------------------------------|--|
| Effective Focal Length EFL (mm):                      |  |
| -100.00                                               |  |
|                                                       |  |
| Substrate: <input type="checkbox"/>                   |  |
| N-BK7                                                 |  |
|                                                       |  |
| f#:                                                   |  |
| 4.00                                                  |  |
|                                                       |  |
| Numerical Aperture NA:                                |  |
| 0.13                                                  |  |
|                                                       |  |
| Coating:                                              |  |
| MgF <sub>2</sub> (400-700nm)                          |  |
|                                                       |  |
| Wavelength Range (nm):                                |  |
| 400 - 700                                             |  |
|                                                       |  |
| Back Focal Length BFL (mm):                           |  |
| -101.64                                               |  |
|                                                       |  |
| Coating Specification:                                |  |
| R <sub>avg</sub> ≤1.75% @ 400 - 700nm                 |  |
|                                                       |  |
| Focal Length Specification Wavelength (nm):           |  |
| 587.6                                                 |  |
|                                                       |  |
| Focal Length Tolerance (%):                           |  |
| ±1                                                    |  |
|                                                       |  |
| Radius R <sub>1</sub> =R <sub>2</sub> (mm):           |  |
| -104.20                                               |  |
|                                                       |  |
| Surface Quality:                                      |  |
| 40-20                                                 |  |
|                                                       |  |
| Damage Threshold, By Design: <input type="checkbox"/> |  |
| 10 J/cm <sup>2</sup> @ 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                   |  |

Product Details

- AR Coated to Provide <1.75% Reflectance per Surface for 400 - 700nm
  - Designed for 0° Angle of Incidence
  - Various Coating Options: [Uncoated](#), [VIS-EXT](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), and [NIR II](#)
- TECHSPEC® MgF<sub>2</sub> 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® MgF<sub>2</sub> Coated Double-Concave (DCV) Lenses are ideal for broadband applications. These lenses are also available in [Uncoated](#), [VIS-EXT](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), or with [NIR II](#) AR coating options.

Technical Information



## Coating Curves

### 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](#).

## Compatible Mounts