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## 0.50 NA, 3.0mm FL, HOYA Molded Glass Aspheric Lens

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HOYA Molded Glass Aspheric Lenses

Stock #13-589 **20+ In Stock**

€119<sup>00</sup>

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Qty 11-49	€94,00 each
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**i** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Aspheric Lens **Type:**

A61\_CZ **Model Number:**

### Physical & Mechanical Properties

**Diameter (mm):**

4.40 +0.00/-0.02

Clear Aperture CA (mm):

3.75

Center Thickness CT (mm):

1.95

Bevel:

Protective as needed

## Optical Properties

Effective Focal Length EFL (mm):

3.00 @ 780nm

Numerical Aperture NA:

0.55

Substrate: □

M-BACD5N

Aspheric Design Wavelength (nm):

780

Coating:

BBAR (760 - 800nm)

Coating Specification:

R<sub>avg</sub> < 1.5% @ 760 - 800nm (theoretical per surface)

f/#:

0.68

Abbe Number (v<sub>d</sub>):

61.25

Index of Refraction (n<sub>d</sub>):

1.589

Wavelength Range (nm):

760 - 800

Working Distance (mm):

1.20

Conjugate Distance:

0

Focal Length Specification Wavelength (nm):

780

Transmitted Wavefront, RMS @ 632.8nm:

0.049λ

## Material Properties

Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):

6.6

## Regulatory Compliance

Certificate of Conformance:

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## Product Details

- Precision Glass Molded Lenses
- Compact Sizes for Integration into Measurement Systems
- Multiple Glass Substrates Available

HOYAMolded Glass Aspheric Lenses are used in applications that require lenses with small sizes and high transmission that correct for spherical aberration. These aspheric lenses are manufactured through a patented molding process that produces precision aspheric surfaces to minimize wavefront error. Their small diameters and thicknesses allow for these molded aspheric lenses to be integrated into measurement systems, biomedical instrumentation, or other optical tools. HOYAMolded Glass Aspheric Lenses are available in multiple glass types that offer higher refractive indices and lower dispersion than other molded glass aspheric lens offerings.