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0.33 NA, 10.0mm FL, HOYA Molded Glass Aspheric Lens

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HOYA Molded Glass Aspheric Lenses

Stock **#13-585** **20+ In Stock**

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Qty 1-10	**£90.40** each
Qty 11-49	**£71.20** each
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General

Type:

Aspheric Lens

Model Number:

A41_Z

Physical & Mechanical Properties

Diameter (mm):

8.00 +0.00/-0.02

Clear Aperture CA (mm):

7.15

Center Thickness CT (mm):

2.15

Bevel:

Protective as needed

Optical Properties

Effective Focal Length EFL (mm):

10.00 @ 780nm

Numerical Aperture NA:

0.33

Substrate:

M-LAF81

Aspheric Design Wavelength (nm):

780

Coating:

BBAR (755 - 805nm)

Coating Specification:

R_{avg} <1.5% @ 755 - 805nm (theoretical per surface)

f/#:

1.25

Abbe Number (v_d):

40.5

Index of Refraction (n_d):

1.731

Wavelength Range (nm):

755 - 805

Working Distance (mm):

8.75

Conjugate Distance:

0

Focal Length Specification Wavelength (nm):

780

Transmitted Wavefront, RMS @ 632.8nm:

0.04λ

Material Properties

Coefficient of Thermal Expansion CTE (10^{-6}/°C):

8.9

Regulatory Compliance

Certificate of Conformance:

View

Product Details

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

HOYA Molded 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. HOYA Molded Glass Aspheric Lenses are available in multiple glass types that offer higher refractive indices and lower dispersion than other molded glass aspheric lens offerings.

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