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LightPath 353515 | 3mm Dia., 0.40 NA, BBAR (350-700nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock #16-684 **20+ In Stock**

⊖ 1 ⊕ €89⁰⁰

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Volume Pricing	
Qty 1-10	€89,00 each
Qty 11-49	€80,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Compatible Window:
Thickness: 0.25 (t) (mm) Material: BK7

Lightpath Lens Code:
353515

Type:
Aspheric Lens

Typical Applications:

Physical & Mechanical Properties

Diameter (mm):

3.00 ±0.015

Clear Aperture CA (mm):

2.7

Edge Thickness ET (mm):

1.30

Center Thickness CT (mm):

1.91 ±0.03

Bevel:

Protective as needed

Optical Properties

Effective Focal Length EFL (mm):

3.52 @515nm

Numerical Aperture NA:

0.40

Substrate: [H-FK61](#)

Focal Length Tolerance (%):

±1

Aspheric Design Wavelength (nm):

515

Coating:

BBAR (350-700nm)

Coating Specification:

R_{avg} ≤0.5% @350 - 700nm

Surface Quality:

40-20

f/#:

1.25

Abbe Number (v_d):

81.61

Index of Refraction (n_d):

1.497

Wavelength Range (nm):

350 - 700

Working Distance (mm):

2.3

Conjugate Distance:

Infinite

Focal Length Specification Wavelength (nm):

515

Transmitted Wavefront Error (λ, RMS):

<0.040

Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):

13.8

Environmental & Durability Factors

Operating Temperature (°C):

≤200

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 247:

[Compliant](#)

Product Details

- Eliminate Spherical Aberration
- Multiple Coating Options Available
- Range of Numerical Apertures

LightPath® Geltech™ Molded Aspheric Lenses are used to eliminate spherical aberration and improve focusing and collimating accuracy in a variety of laser applications. Low NA aspheric lenses are designed to maintain beam shape, while high NA lenses gather all available light to maintain beam power over long distances. LightPath® Geltech™ Molded Aspheric Lenses are ideal for applications including sighting systems, bar code scanners, laser diode-to-fiber coupling, optical data storage, or biomedical lasers.

Technical Information

