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LightPath 354115 | 9.2mm Dia., 0.54 NA, BBAR (350-700nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#16-691** **20+ In Stock**

⊖ 1 ⊕ C\$124.⁰⁰

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Volume Pricing	
Qty 1-10	C\$124.60 each
Qty 11-49	C\$112.00 each
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General

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

Lightpath Lens Code:
354115

Type:
Aspheric Lens

Typical Applications:
Collimate or Focus Laser Light

Physical & Mechanical Properties

9.20 ±0.015 **Diameter (mm):**

7 **Clear Aperture CA (mm):**

2.15 **Edge Thickness ET (mm):**

4.08 ±0.02 **Center Thickness CT (mm):**

Protective as needed **Bevel:**

Optical Properties

6.75 @ 633nm **Effective Focal Length EFL (mm):**

0.54 **Numerical Aperture NA:**

D-ZK3 **Substrate:** □

±1 **Focal Length Tolerance (%):**

633 **Aspheric Design Wavelength (nm):**

BBAR (350-700nm) **Coating:**

R_{avg} ≤0.5% @ 350 - 700nm **Coating Specification:**

60-40 **Surface Quality:**

0.93 **f#:**

61.15 **Abbe Number (v_d):**

1.589 **Index of Refraction (n_d):**

350 - 700 **Wavelength Range (nm):**

4.3 **Working Distance (mm):**

Infinite **Conjugate Distance:**

633 **Focal Length Specification Wavelength (nm):**

<0.087 **Transmitted Wavefront Error (λ, RMS):**

Material Properties

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

Environmental & Durability Factors

≤200 **Operating Temperature (°C):**

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Compliant **Reach 247:**

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

