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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 ⊕ A\$142⁰⁰

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Volume Pricing	
Qty 1-10	A\$142.40 each
Qty 11-49	A\$128.00 each
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General

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

Lightpath Lens Code:
353515

Type:
Aspheric Lens

Typical Applications:
Collimate or Focus Laser Light

Physical & Mechanical Properties

3.00 ±0.015 **Diameter (mm):**

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

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

1.91 ±0.03 **Center Thickness CT (mm):**

Protective as needed **Bevel:**

Optical Properties

3.52 @515nm **Effective Focal Length EFL (mm):**

0.40 **Numerical Aperture NA:**

[H-FK61](#) **Substrate:**

±1 **Focal Length Tolerance (%):**

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

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

$R_{avg} \leq 0.5\%$ @ 350 - 700nm **Coating Specification:**

40-20 **Surface Quality:**

1.25 **f#:**

81.61 **Abbe Number (v_d):**

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

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

2.3 **Working Distance (mm):**

Infinite **Conjugate Distance:**

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

<0.040 **Transmitted Wavefront Error (λ , RMS):**

Material Properties

13.8 **Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):**

Environmental & Durability Factors

≤200 **Operating Temperature ($^{\circ}\text{C}$):**

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

