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# LightPath 354057 | 6.33mm Dia., 0.20 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Stock #83-686 **20+ In Stock**

⊖ 1 ⊕ A\$136<sup>00</sup>

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Qty 1-10	A\$136.00 each
Qty 11-49	A\$122.40 each
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**General**

354057 Lightpath Lens Code:  
Aspheric Lens Type:

**Physical & Mechanical Properties**

6.33 ±0.015 Diameter (mm):  
Clear Aperture CA (mm):

5.20

Edge Thickness ET (mm):

1.71

Center Thickness CT (mm):

2.38 ±0.05

Bevel:

Protective as needed

## Optical Properties

Effective Focal Length EFL (mm):

13.00 @633nm

Numerical Aperture NA:

0.20

Substrate:

D-ZK3

Focal Length Tolerance (%):

±1

Aspheric Design Wavelength (nm):

633

Coating:

BBAR (600-1050nm)

Coating Specification:

R<sub>abs</sub> <1.0% @ 600 - 1050nm

Surface Quality:

60-40

f/#:

2.5

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

61.16

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

1.589

Wavelength Range (nm):

600 - 1050

Working Distance (mm):

11.600

Conjugate Distance:

Infinite

Focal Length Specification Wavelength (nm):

633.00

Transmitted Wavefront Error (λ, RMS):

< 0.150

## Material Properties

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

7.6

## Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 247:

Compliant

## Product Details

- Compact, Molded Aspheric Lens Design
- Improved Performance Compared to Doublet and Triplet Lenses
- Ideal for Laser Tools and Measurement Systems

LightPath® Laser Tool Molded Aspheric Lenses are designed to fulfill the needs of a variety of tools and measurement systems utilizing laser diodes, including leveling lasers, projectors, scanners, trackers, and gun sights. By utilizing a single aspheric lens, the need for a multi-lens system is eliminated, allowing for a more compact and robust design. Each aspheric lens is offered with various anti-reflection coatings for optimum transmission in the visible and NIR wavelength ranges. LightPath® Laser Tool Molded Aspheric Lenses' anti-reflection coating options for each lens provides <1% average reflection over the entire design wavelength range. The lenses are offered in four different diameters: 3mm, 4.70mm, 6mm, and 6.33mm.

**LASER OPTICS** MADE BY EDMUND OPTICS®

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