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# LightPath 354058 | 6.33mm Dia., 0.22 NA, Uncoated, Molded Aspheric Lens

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Stock #83-688 CLEARANCE 20+ In Stock

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⊖ 1 ⊕ \$30<sup>00</sup>

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Volume Pricing	
Qty 1-10	\$30.80 each
Qty 11-49	\$28.00 each
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**General**

354058 **Lightpath Lens Code:**

Aspheric Lens **Type:**

**Physical & Mechanical Properties**

6.33 ±0.015 **Diameter (mm):**

5.20	Clear Aperture CA (mm):
1.67	Edge Thickness ET (mm):
2.40 ±0.05	Center Thickness CT (mm):
Protective as needed	Bevel:

## Optical Properties

12.00 @633nm	Effective Focal Length EFL (mm):
0.22	Numerical Aperture NA:
D-ZK3	Substrate: <input type="checkbox"/>
±1	Focal Length Tolerance (%):
633	Aspheric Design Wavelength (nm):
Uncoated	Coating:
60-40	Surface Quality:
2.27	f#:
61.16	Abbe Number (v <sub>d</sub> ):
1.589	Index of Refraction (n <sub>d</sub> ):
350 - 2400	Wavelength Range (nm):
10.600	Working Distance (mm):
Infinite	Conjugate Distance:
633.00	Focal Length Specification Wavelength (nm):
< 0.145	Transmitted Wavefront Error (λ, RMS):

## Material Properties

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

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

## 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.

